LEXMARK™

Optra E312

User's Guide

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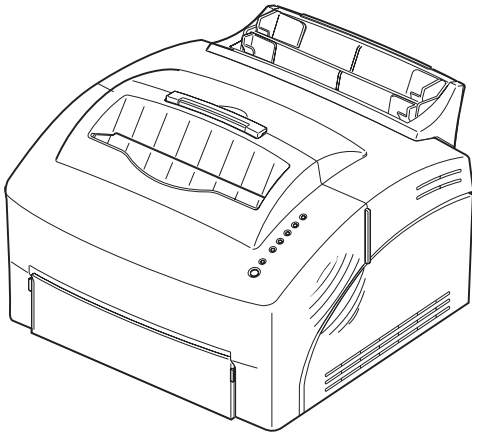
About your printer



The Optra E312 printer combines the quality of a laser printer with a conveniently small footprint for a perfect fit.

With its easy setup, you'll be printing in no time. Use this CD for information on:

- installing printer memory options
- installing printer drivers
- loading paper
- solving printing problems
- understanding the indicator light sequences
- maintaining your printer

We'd like to keep you informed of upgrades for your printer and new products as they become available, so be sure to fill out the printer registration card and mail it in.

Model specifications

The information included on this CD applies to both the Lexmark™ Optra™ E312 and E312L printers. The differences between these two models are outlined in the following table.

Note: Some sections in this printer manual may not apply to the E312L model.

Item	Optra E312	Optra E312L
Base memory	4MB	2MB
Maximum memory	68MB	66MB
Emulations	PostScript Level 2, PCL 6 and PPDS	PCL 6 and PPDS
Machine type and model	4044-201	4044-2L*x*
Ship with print cartridge yield (at approximately 5% coverage)	6,000 pages (Standard)	1,500 pages (Starter)
Reorder print cartridge yield	6,000 pages (Standard)	6,000 pages (Standard)

Performance

The Optra E312 printer prints up to 10 pages per minute for quick job turnaround. It comes with 4MB of memory, expandable to 68MB to print complex jobs quickly. You can also install an optional flash memory card to store forms, macros and downloaded fonts. PostScript Level 2 and PCL 6 emulation datastreams give you application flexibility.

Print quality

Selectable print resolution to optimize printer/job performance: true 600 x 600 dpi resolution for crisp images and graphics; 1200 Image Quality to print sharper scanned or bitmapped print images; 300 dpi with the Toner Saver setting selected from your printer driver to conserve toner when printing drafts.

Ease of use

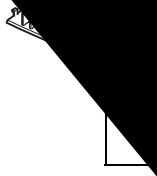
A variety of fonts for printing flexibility: 75 PCL scalable fonts (45 LaserJet-compatible scalable fonts plus 30 additional PCL scalable fonts), 75 PostScript scalable fonts (39 Optra-compatible scalable fonts plus 36 PostScript scalable fonts), FontVision™ font manager utility with 110 TrueType fonts and world-class international font support, including the new euro currency symbol.

The MarkVision™ printer utility that ships with your printer lets you:

- view and change your printer settings
- view your operator panel status
- view printer error messages
- use online Help

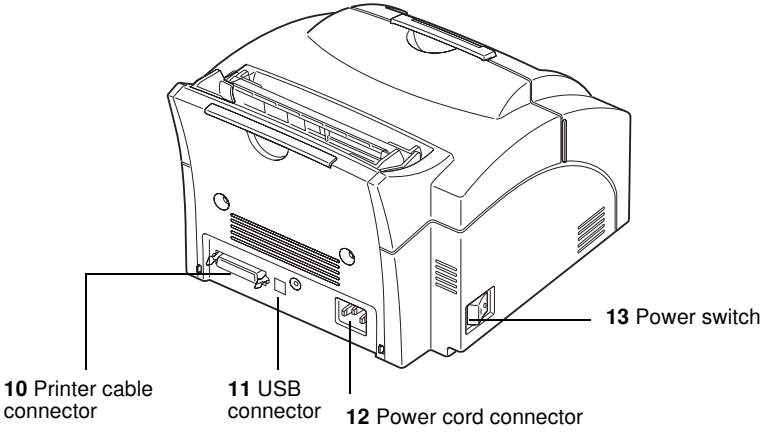
Printer

Front View



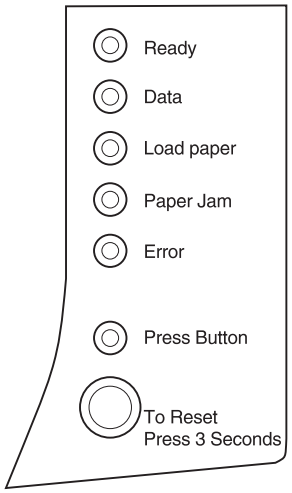
Use the:	When you want to:
1 Automatic paper feeder	Load paper/other media (up to 1
2 Paper support	Stack media in the automatic paper
3 Paper guides	Adjust the width of the paper in the aut
4 Manual sheet feeder	Load a single sheet of paper/other media. U and card stock.
5 Paper support	Stack media in the paper output bin.
6 Paper guides	Adjust the width of the paper in the manual sheet fe
7 Indicator lights	Check the status of your printer. For information, see Pr
8 Paper output bin	Stack printed documents, face down.
9 Front output door	Feed media straight out the front of the printer. Use the front e card stock. To minimize curl, use when printing labels, envelopes transparencies.

Rear view



Use the:	When you want to:
10 Printer cable connector	Connect your computer to the printer's parallel port with a parallel interface cable.
11 USB connector	Connect your computer to the printer's USB port with a Universal Serial Bus cable.
12 Power cord connector	Connect your printer to a properly grounded wall outlet with a power cord.
13 Power switch	Turn your printer on or off.

Indicator lights



The operator panel has 6 lights and 1 button. Different light sequences provide status, attendance and service information.

Depending on the light sequence, **briefly** (approximately one second) pushing Press Button activates different printer functions, such as restarting the printer, printing data or displaying an error code.

Press and hold Press Button for 3 seconds *only when you want to reset the printer to the user defaults. When resetting the printer to the user defaults, all print job data is lost.*

The different light sequences are explained in the Troubleshooting chapter.
Use MarkVision or your software application driver to change printer settings such as paper source, paper size and orientation.

To set up your printer, go to the next chapter.

Other information sources

In addition to this User's Guide CD, Lexmark offers other sources of information about your printer or about Lexmark products and services.

Online documents

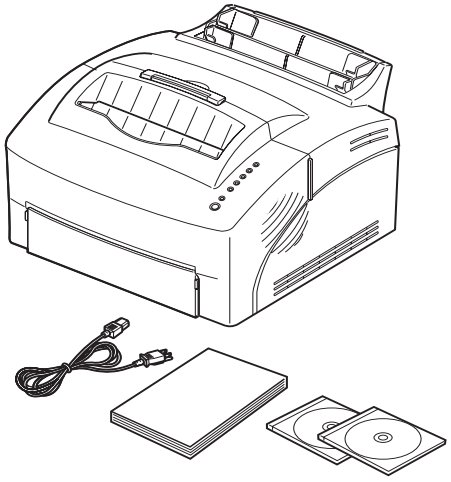
The *Drivers, MarkVision and Utilities* CD that was shipped with your printer contains several online documents. Refer to the booklet that came with the CD for launching instructions. Once you have launched the CD, click the View Online Documentation icon to display a list of the available documents. All online documents are in English only.
The CD includes:

- Getting Started with MarkVision, which provides step-by-step instructions for installing MarkVision for Windows 95, Windows 98, Windows 2000 and Windows NT 4.0. It also describes some of the most popular MarkVision features.
- *Card Stock & Label Guide*, which provides detailed information about selecting media appropriate for your printer.
- A *Technical Reference,* which includes information about printer languages and commands, interface specifications and printer memory management.

The basics

1

What's in the box



1 Remove the printer and all accessories from the packaging carton.

Save the carton and packing materials in case you need to repack the printer for service or storage.

2 Make sure you have the items listed below:

- *Setup Guide* and printer registration card
- printer
- print cartridge
- power cord
- User's Guide CD
- *Drivers, MarkVision and Utilities* CD

If you need help during setup, or if any items are missing or damaged, refer to the registration card for the designated Lexmark phone number for your country.

3 Place the printer on a flat, stable surface in a well-ventilated area near your workstation.

Do not place the printer:

- in direct sunlight
- near heat sources or air conditioners
- in dusty or dirty environments

2 **Unpack the print cartridge.**

3 **Holding the cartridge level, pull out the sealing tape.**

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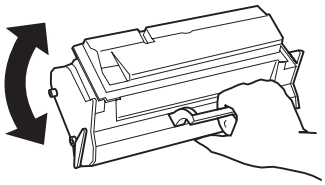
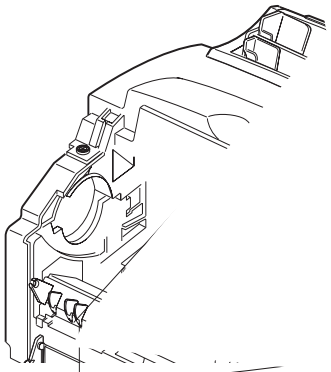




6 Close the printer cover.

Troubleshooting Tips

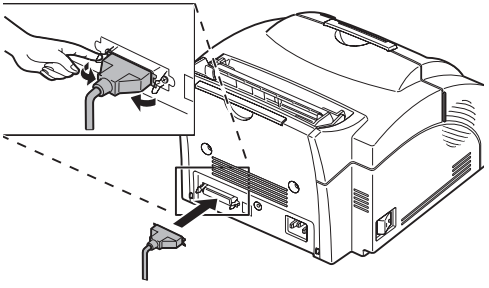
Problem:	What to do:
Characters appear light or blurred.	• Make sure you removed the sealing tape from the print cartridge. • Replace the print cartridge.
Printer seems to be printing, but pages are blank.	• The print cartridge may be out of toner. Replace the cartridge. • The print cartridge may be defective. Replace the cartridge. • Make sure you removed the sealing tape from the print cartridge.
Printer is on, but nothing prints. Jobs are not printing and the Error light is on solid.	• Make sure the print cartridge is installed.

Connecting the printer to your computer

To print from software loaded on your computer, your printer needs to be connected to your computer with either a parallel interface cable or a USB cable.

Using a parallel interface cable

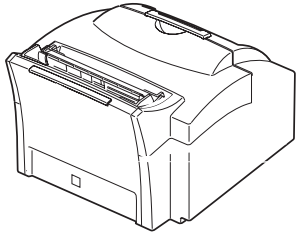
Your printer requires an IEEE-1284 compliant parallel cable. We recommend Lexmark part number 1329605 (10 ft) or 1427498 (20 ft). If you use something other than an IEEE-compliant cable, you may not be able to use all of your printer's functions.



1. **Make sure your printer is turned off.**
2. **Plug the parallel interface cable into the connector on the back of the printer.**
3. **Push the metal clips toward the plug until they snap in the notches on the plug.**
4. **Attach the other end of the parallel cable to your computer.**
5. **Turn on the printer.**

Using a USB cable

If you are connecting your printer to a PC with a USB (Universal Serial Bus) cable, we recommend Lexmark part number 12A2405 (2 m). If you use something other than this cable, you may not be able to use all of your printer's functions.



If you are using Windows 2000:

1. **Make sure your computer and printer are turned off.**
2. **Connect the USB cable to the port on the back of your computer.**
3. **Connect the other end of the cable to the USB port on the back of your printer.**
4. **Turn on your computer and your printer.**
5. **When the *Found New Hardware Wizard* screen appears, select *Cancel* to close the wizard.**
6. **Insert the *Drivers, MarkVision, and Utilities* CD that came with your printer and select *Start*.**
7. **From the *Start* menu, select *Run*, then click *Browse*.**
8. **Click on the *My Computer* shortcut in the Browse window, double-click on the CD icon, and double-click on the setup application (setup.exe).**
9. **Click *OK* to start the printer driver installation program.**
10. **Follow the installation instructions in the printer drivers dialog box.**
11. **In the *Print to the following port* check box, select the USB port that best describes the order you've connected USB printers to your computer (i.e., the first USB printer is USB001, the second USB002, and so on).**

12 **When you finish, exit the setup program and remove the CD from your computer.**

If you are using Windows 98:

1 **Make sure your computer and printer are turned off.**

2 **Connect the USB cable to the port on the back of your computer.**

3 **Connect the other end of the cable to the USB port on the back of your printer.**

4 **Turn on your computer and your printer.**

5 **When the *Add New Hardware Wizard* screen appears:**

a Select ***Next*** to begin searching for the new drivers.

b Select ***Next*** to use search for the correct driver.

c Make sure the ***Floppy disk drives***, ***CD-ROM drive*** and ***Microsoft Windows Update*** check boxes are cleared, and select the ***Specify a location*** check box.

d Insert the *Drivers, MarkVision, and Utilities* CD that came with your printer and select **B*rowse***.

e Double-click the letter of your CD drive, then double-click the Win98USB folder beneath it.

f Highlight the language you wish to install USB support for, then click ***OK*.**

g Select ***Next.***

h Select ***Next*** again.

i When the hardware is loaded, click ***Finish***.

The printer driver installation program automatically launches after a few moments.

6 **Follow the installation instructions in the printer drivers dialog box.**

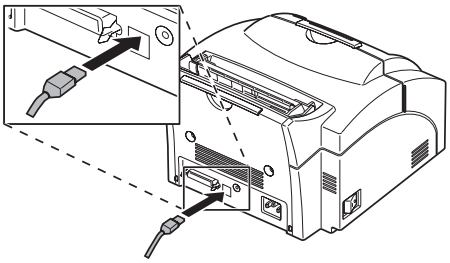
7 **In the *Print to the following port* check box, select the USB port that contains the name of the printer you are currently installing as your default printer port.**

8 **When you finish, exit the setup program and remove the CD from your computer.**

9 **Restart your computer.**

Troubleshooting Tips

Problem:	What to do:
Unexpected characters print or characters are missing.	• Make sure the parallel cable or USB cable is firmly plugged in at the back of the printer.
You are connected to the USB port, but the printer will not print.	• Make sure you are using Windows 98 or Windows 2000.



For Macintosh users:

1. **Make sure the printer power is Off (O) and the printer power cord is unplugged from the electrical outlet.**
2. **Connect the end of the USB cable to the port on your computer.**
3. **Align and plug the other end of the USB cable into the port on the back of your printer as shown.**
4. **Plug the printer in.**
5. **Turn the printer on.**
6. **Launch the *Drivers, MarkVision, and Utilities* CD to install the necessary items. Instructions to launch the CD are in the CD booklet.**
7. **Restart the computer.**
8. **Open the *Apple Extras* folder.**
9. **Open the *Apple LaserWriter Software* folder.**
10. **Open the *Desktop Printer Utility* application.**
11. **The *New Desktop Printer* screen displays.**
12. **Select *Printer (USB)* from the list and click *OK*.**
13. **In the *USB Printer Selection* box, click *Change*.**

    The USB printer dialog box displays.

14. **Select *Optra E312* and click *OK*.**

    The previous screen displays. Notice the new printer icon.

15 **In the *PostScript Printer Description (PPD) File* box, click *Auto Setup*.**

Wait for the information to process.

The previous screen displays. Notice the new printer icon.

Note: Both areas of the printer dialog box show the Optra E312 printer icon.

16 **Click *Create*.**

A window appears for you to name the printer.

17 **Type in the name of the printer or accept the default name.**

18 **Click *Save*.**

19 **Quit the *Desktop Printer Utility* application.**

The printer icon displays on your Desktop.

20 **Click the new desktop printer icon.**

The Printing menu appears on the menu bar.

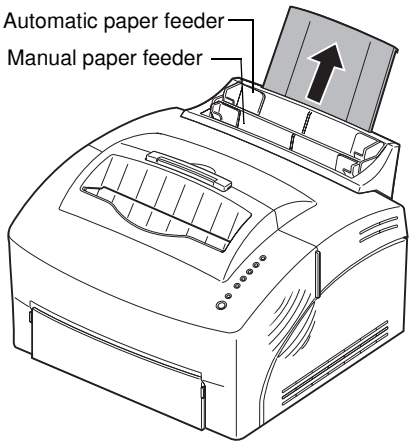
21 **Scroll down in the *Printing* menu and select *Set Default Printer*.**

A dark line appears around the printer in the printer icon to indicate it is selected as the default printer.

Troubleshooting Tips

Problem:	What to do:
Auto Setup fails in the PostScript Printer Description (PPD) File box	• Re-install the printer PPD from the CD.

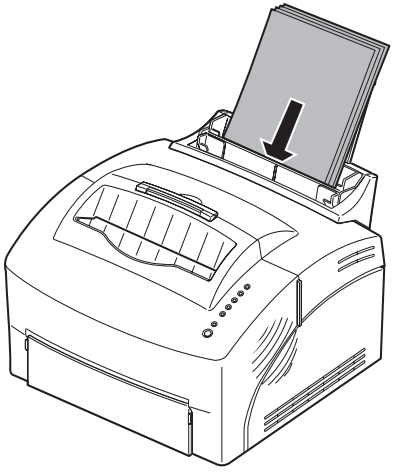
Loading paper



You can load paper in the automatic paper feeder, which holds up to 150 sheets, or the manual feeder, which holds 1 sheet at a time.

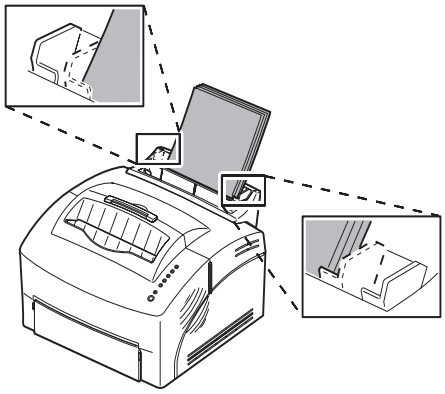
1 **To print from the automatic paper feeder, extend the paper support.**

2 **Before loading paper, flex the sheets back and forth to loosen them, then fan them.**

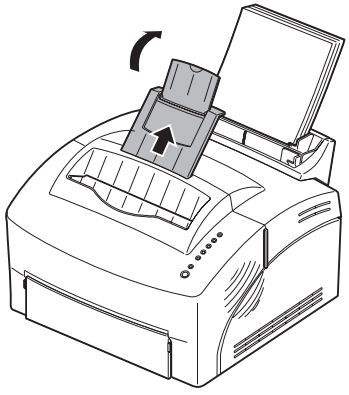


3 **If the paper has a preferred print side, insert the paper with the print side facing you.**

If you are loading letterhead paper, insert letterhead with the top of the page pointing down.



4 **Slide the paper guides against the edges of the paper.**



5 **Extend the paper support on the paper output bin.**

6 **Select the paper size from your software application.**

7 **Start your print job.**

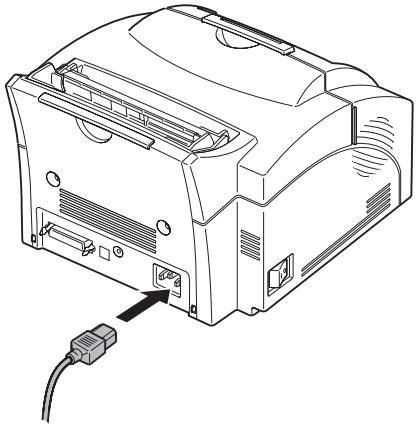
Troubleshooting Tips

Problem:	What to do:
Toner smudges appear on the front or back of the page.	• Make sure the paper is straight and unwrinkled.
Paper sticks together/printer feeds multiple sheets of paper.	• Remove the paper from the paper feeder and fan the paper. • Make sure there isn't too much paper in the paper feeder. The automatic paper feeder holds up to 150 sheets, depending on the thickness of the paper.
Paper fails to feed from the automatic paper feeder.	• Remove the paper from the paper feeder and fan the paper.
Paper skews or buckles.	• Make sure there isn't too much paper in the paper feeder. The automatic paper feeder holds up to 150 sheets, depending on the thickness of the paper. • Make sure the paper guides are properly positioned against the edges of the paper.

Printing a test page

To check that your printer is working correctly, print a test page.

To print a test page, the print cartridge must be installed (see Installing the print cartridge).



1 **Turn the printer off.**

2 **Plug one end of the power cord into the power cord connector on the back of the printer and the other end into a properly grounded wall outlet.**

3 **Turn on the printer.**

As the printer powers up, each operator panel light turns on and off, starting with **Press Button** and ending with the **Ready** light. If this does not happen, see Printing problems.

4 **When the Data light stops blinking and Ready is the only light on, briefly press the operator panel button.**

A test page listing your printer model and default settings should print out. If it doesn't, check Printing problems.

Troubleshooting Tips

Problem:	What to do:
The operator panel lights do not come on when the printer is turned on.	• Make sure the power cord is firmly plugged in at the back of the printer and at the wall outlet.

Attaching a new operator panel overlay

If you have a non-English overlay sheet in your printer box and wish to use it, peel it off and place it over the overlay currently on your printer.

Installing memory

To install a memory card or a flash memory card, go on to the next section. Otherwise, you are ready to set up your application software and install the appropriate printer driver. Refer to the booklet that came with the *Drivers, MarkVision and Utilities* CD for installation instructions. Go to Printer drivers for more information about the printer utilities and drivers.

Your printer comes with 4MB of printer memory. You can buy and install a 4MB, 8MB, 16MB, 32MB or 64MB optional memory card for a total of 68MB of printer memory.

You can also install a 1MB, 2MB or 4MB optional flash memory card for storing downloaded fonts or macros.

Removing the system board shield

Before installing any of these option cards, you will need a small Phillips screwdriver to remove the metal shield covering the printer system board.

1. **Turn off the printer and unplug the power cord from the printer.**
2. **Disconnect the printer cable (if attached) from the printer.**
3. **Remove the print cartridge and cover it.**

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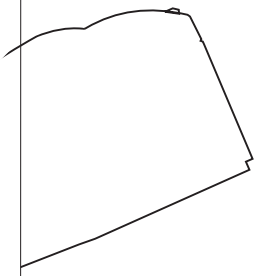
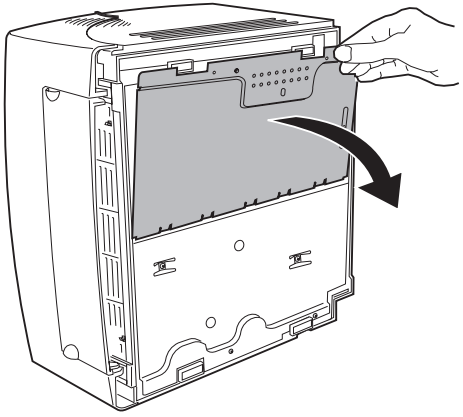


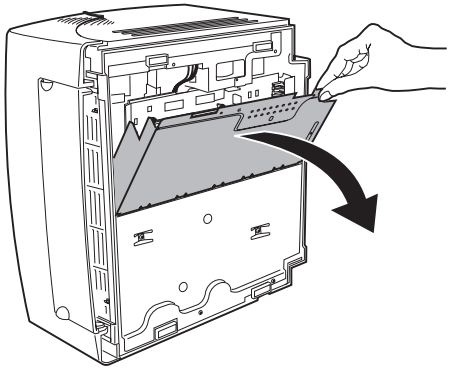
4 **With the printer facing you, p. .ce it on its ' side.**

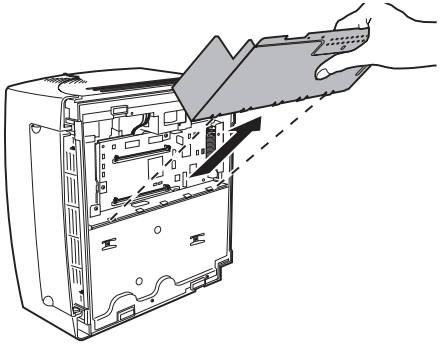
5 **Tur .ter around so the bottom of the pr .acing you.**

6 **and remove the 3 screws on the metal .d.**



7 **Grasp the corner of the shield and gently pull it out, then down.**

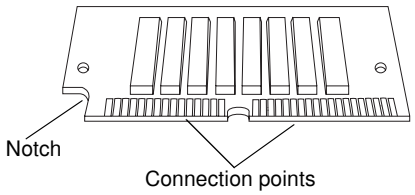




8 **Pull the shield away from the printer.**

Installing a printer memory card

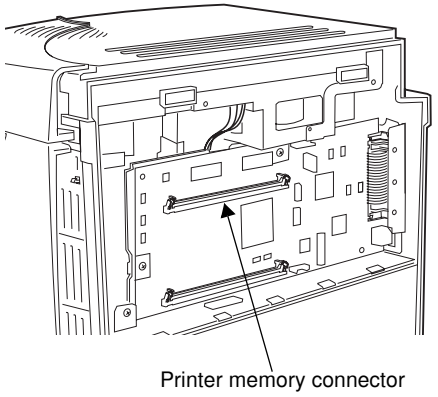
To install an optional printer memory card, follow the instructions below.



1 Remove the printer memory card from its packaging.

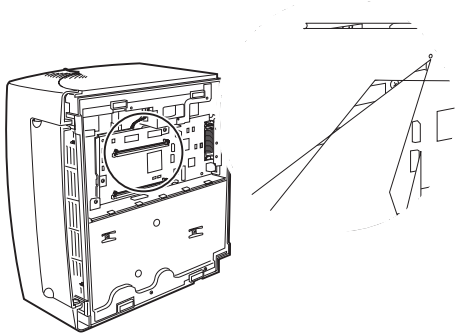
Avoid touching the connection points along the edge of the card.

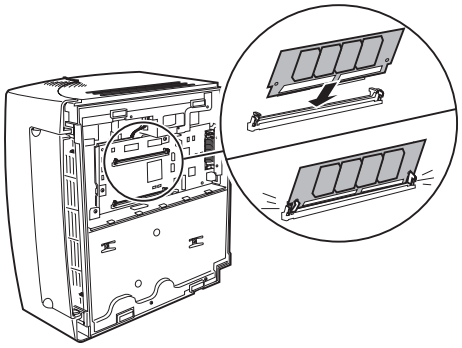
2 Locate the printer memory connector.



3 Hold the option card with the connection points facing toward the system board, with the notch pointing down and to the left.

4 Insert the card into the printer memory connector at a 45 degree angle.



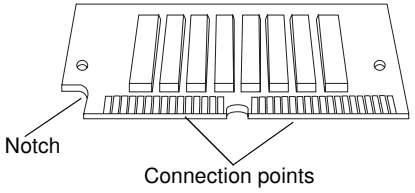


5 **Gently push the card all the way in.**

6 **Push the card back with your thumbs until it snaps into place.**

Installing a flash memory card

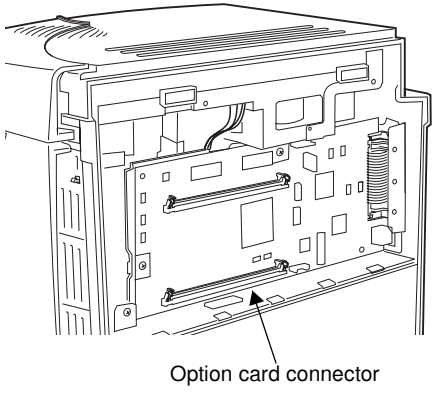
To install an optional flash memory card:

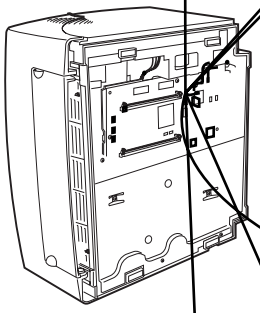


1 **Remove the printer memory card from its packaging.**

Avoid touching the connection points along the edge of the card.

2 **Locate the option card connector.**





When you have finished installing the option card(s):

1. **Fit the metal shield into the slots and reattach the screws.**
2. **Put the printer back to its original upright position.**
3. **Re-install the print cartridge.**
4. **Reconnect the computer cable and latch the metal clips.**
5. **Plug the power cord into the printer.**
6. **Turn the printer on.**

   As the printer powers up and the operator panel lights begin cycling on and off, there is a pause while the new memory is tested, then the lights continue cycling.

7. **When the Ready light comes on, press the operator panel button briefly and print a test page to verify that printer memory or additional flash memory is installed.**

   If the **Ready** light does not come on, see Printing problems.

2 Printer drivers

Included with your printer is the *Drivers, MarkVision and Utilities* CD, a compact disc containing printer drivers and utilities for Windows 95, Windows 98, Windows 2000, Windows NT 4.0, Windows 3.1x, Macintosh and OS/2 operating systems. Refer to the CD booklet for information about launching the CD program for your operating system. When the CD program is running, press F1 for online Help at any time.

You can also create diskettes from the CD or visit our web site at http://www.lexmark.com to download a printer driver to your computer.

Printer drivers

Printer drivers for the following operating systems and applications are included on the CD:

- Windows 95
- Windows 98
- Windows 2000
- Windows NT 4.0
- Windows for Workgroups 3.11
- Windows 3.1x
- Macintosh OS8 or later
- OS/2 Warp
- OS/2, 2.1 or later
- WIN-OS/2 for OS/2, 2.1 or later

Additional printer drivers may have been developed since this book was printed. Refer to the CD README for a complete list of all the drivers included on the CD.

Automated fax system

In the U.S. and Canada, you can get a list of available drivers by calling the Lexmark Automated Fax System. The system is available 24 hours a day, 7 days a week. Just call (606) 232-2380 from a touchtone phone and follow the voice prompts.

If you have a modem attached to your computer, you can download printer drivers from the Lexmark web site (www.lexmark.com).

Printer utilities

The CD also includes printer utilities. If you're using Windows 95, Windows 98, Windows 2000, Windows NT 4.0, Macintosh or OS/2 Warp, you can install the MarkVision utility.

MarkVision

With its easy-to-use tabs, MarkVision provides a quick and easy way to view and change printer settings right from your computer. You can:

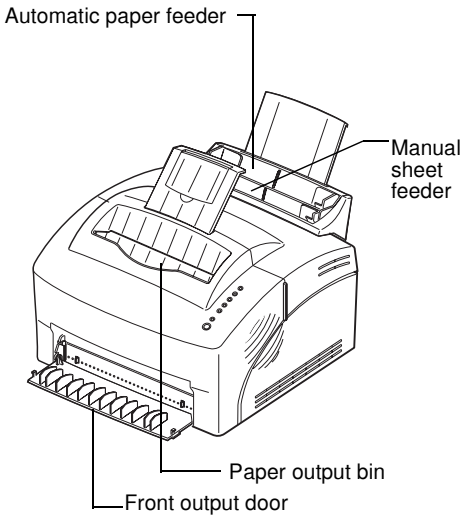
- select the status tab to view up-to-the-minute printer status
- use Quick Setup to save your printer settings and set up one or more printers with your printer configuration
- download fonts and overlays with the Windows Toolkit
- use Printer Job Management to view and manage printer jobs

To install MarkVision, refer to the MarkVision online documentation on the *Drivers, MarkVision and Utilities* CD that came with your printer.

Online help

Online Help is available from all MarkVision screens. MarkVision for Windows 95, Windows 98, Windows 2000 and Windows NT 4.0 includes step-by-step instructions for using many MarkVision functions.

3 Paper handling



Your printer has two standard paper sources: an automatic paper feeder, which holds up to 150 sheets of plain paper and a single sheet manual feeder. Use the automatic paper feeder for the print jobs you do most often. Use the manual sheet feeder to feed a single page, transparency, envelope, label or index card.

Your printer also has an output bin on top of the printer that collates up to 100 sheets (face down), and the single sheet front output door, which lets you feed media straight out the front of the printer, reducing curling and potential paper jams when using special media such as transparencies, envelopes, labels, card stock or index cards.

Paper types and sizes

Selecting the right paper type reduces printing problems. For best print quality, use 20 lb (75 g/m2) xerographic paper.

If the paper has a preferred print side, load it with the print side facing you.

Media	Size	Weight	Capacity
Paper	A4, A5, B5, letter, legal, executive	16 - 24 lb (60-90 g/m^2)	Automatic Paper Feeder: 150 sheets Manual Sheet Feeder: 1 sheet
Transparencies	Minimum: 3.875 x 5.9 in. (98 mm x 152 mm) Maximum: 8.5 x 14 in. (216 mm x 356 mm)	16 - 43 lb (60-163 g/m^2)	Automatic Paper Feeder: 10 sheets Manual Sheet Feeder: 1 sheet
Envelopes	Minimum: 3.875 x 5.9 in. (98 mm x 152 mm) Maximum: 8.5 x 14 in. (216 mm x 356 mm)	16 - 43 lb (60-163 g/m^2)	Automatic Paper Feeder: 10 envelopes Manual Sheet Feeder: 1 envelope
Labels	Minimum: 3.875 x 5.9 in. (98 mm x 152 mm) Maximum: 8.5 x 14 in. (216 mm x 356 mm)	16 - 43 lb (60-163 g/m^2)	Automatic Paper Feeder: 10 sheets Manual Sheet Feeder: 1 sheet
Index Cards	Minimum: 3 x 5 in. (76.2 x 127.0 mm)	16 - 43 lb (60-163 g/m^2)	Automatic Paper Feeder: 10 cards Manual Sheet Feeder: 1 card
Index Bristol / Tag Card Stock	Minimum: 3 x 5 in. (76.2 x 127.0 mm) Maximum: 8.5 x 14 in. (216 mm x 356 mm)	67 - 90 lb Index Bristol (120 - 163 g/m^2) 50 - 100 lb tag (75 - 163 g/m^2)	Automatic Paper Feeder - 10 cards Manual Sheet Feeder: 1 card

Paper

Load A4, A5, B5, letterhead, legal and executive-size paper one at a time from the manual feeder or load up to 150 sheets in the automatic paper feeder.

Preprinted papers such as letterhead must be able to withstand temperatures up to 200°C (392°F) without melting or releasing hazardous emissions.

Load letterhead with the top of the page pointing down, facing you.

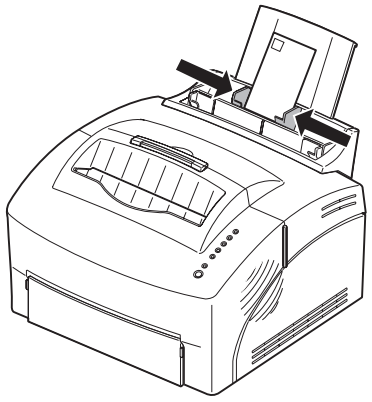
Transparencies

If you occasionally print transparencies:

- Use transparencies designed for laser printers. We recommend Lexmark Laser Printer Transparencies: for letter size transparencies, part number 70X7240; for A4 size transparencies, part number 12A5010. Transparencies must be able to withstand temperatures of 200°C (392°F) without melting or releasing hazardous emissions.
- Test the print quality before buying large quantities.
- Load transparencies with a removable stripe so the stripe is away from you and pointing down.

Envelopes

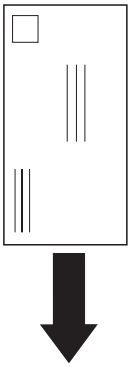
For occasional envelope printing, feed envelopes one at a time from the manual feeder, or load up to 10 envelopes in the automatic paper feeder.



Load envelopes in the *center* of the manual feeder or automatic paper feeder and slide the paper guides snugly against the sides of the envelopes.

When printing on envelopes:

- Try a sample of any envelopes you are considering using with the printer before buying large quantities.
- Use envelopes made from 75 to 105 g/m^2 (20 to 28 lb) bond paper. For best performance and fewer paper jams, do not use envelopes that:
  - have excessive curl
  - are stuck together
  - are damaged in any way
  - contain windows, holes, perforations, cutouts or embossing
  - use metal clasps, string ties or metal folding bars
  - have postage stamps attached
  - have any exposed adhesive when the flap is in the sealed position
- Use envelopes that can withstand temperatures of 200°C (392°F) without sealing, excessive curling, wrinkling or releasing hazardous emissions.



- Load envelopes vertically, flap side down so the stamp area is in the top left corner.
- Adjust the left and right paper guides to fit the width of the envelopes.

Labels

For occasional label printing, use paper labels designed for laser printers. You can feed labels one at a time from the manual feeder, or you can load up to 10 labels in the automatic paper feeder.

When printing on labels:

- Test the print quality before buying large quantities of labels.
- Use labels with a pressure of 25 psi that can withstand temperatures of 200°C (392°F) without releasing hazardous emissions. For more information on label printing, refer to the *Card Stock & Label Guide* on the CD.
- Do not print a large number of labels continuously.
- Do not use labels that have exposed adhesive on the sheets.

Card stock

For occasional printing on index Bristol or tag card stock, feed 1 card at a time in the manual paper feeder. Use card stock with a maximum weight of 163 g/m^2 and a minimum size of 76.2 x 127 mm (3 x 5 in.).

For best results, open the single-sheet front output door so the card stock exits out the front.

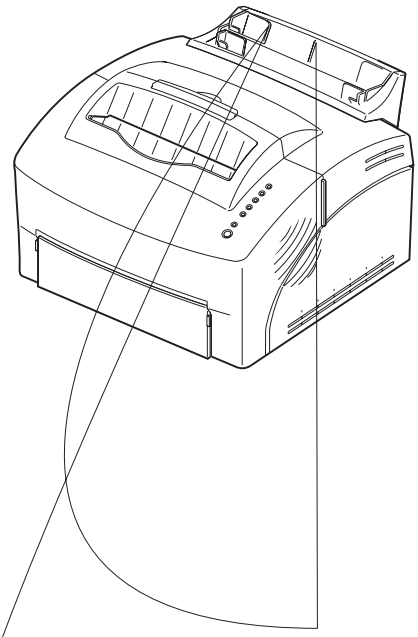
Loading paper, other media in the automatic feeder

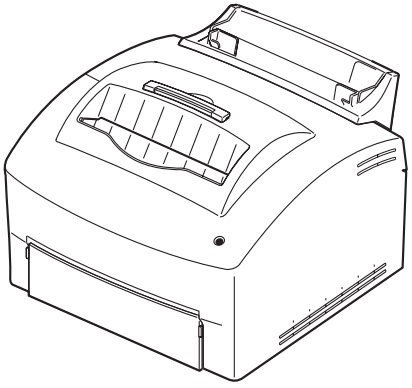
Use the automatic paper feeder, which is behind the manual feeder, to feed paper and special media such as transparencies, envelopes, labels and card stock.

To avoid curling and potential jams when printing on special media, open the front output door to feed the media straight out the front of the printer.

1. **Extend the paper support on the automatic paper feeder.**
2. **Before loading media, flex the sheets back and forth to loosen them, then fan them.**

   The automatic paper feeder holds up to 150 sheets of paper, 10 sheets of transparencies or labels, 10 envelopes, 10 index cards.

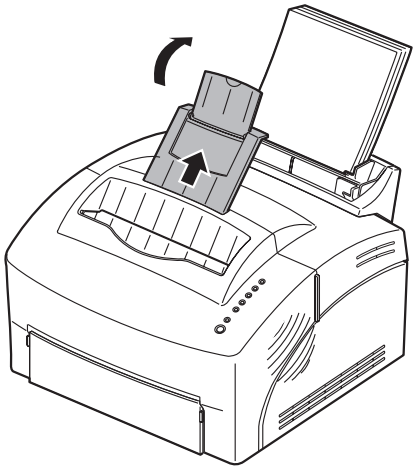




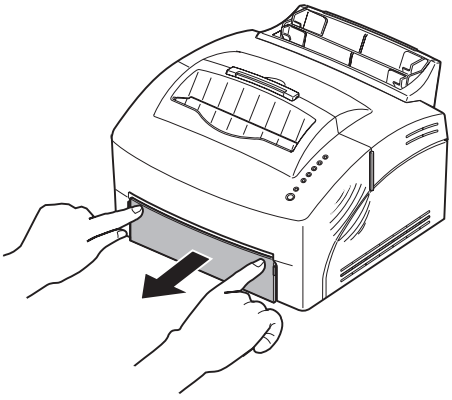
3 If loading:

- A4, A5, B5, legal or executive-size paper, insert the paper with the print side facing you
- letterhead paper, insert letterhead with the top of the page pointing down, facing you
- transparencies with a removable stripe, insert them so the stripe is pointing away from you and pointing down
- envelopes, insert them vertically, flap side down so the stamp area is in the top left corner

4 Slide the paper guides flush against the edges of the media.



5 **Extend the paper support on the paper output bin or open the front output door if you're printing on special media.**



6 **Select the automatic paper feeder from your software application.**

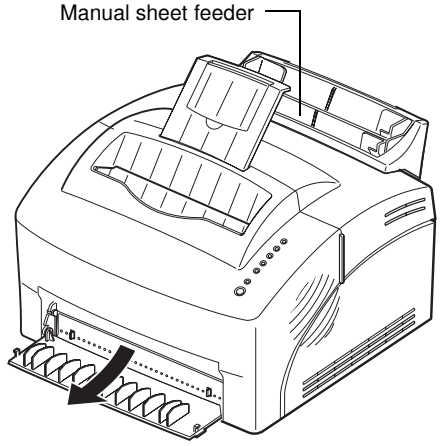
7 **Start your print job.**

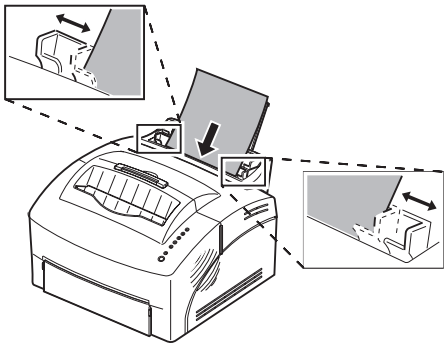
Loading paper, other media in the manual sheet feeder

Use the manual feeder to feed paper or special media, one sheet at a time, into your printer.

If you experience problems feeding envelopes or index cards in the automatic paper feeder, try printing them one at a time from the manual feeder.

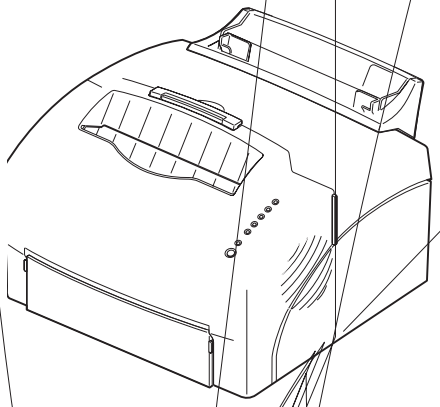
To avoid curling or potential jams when printing on special media, open the front output door to feed media straight out the front of the printer.





1. **Extend the paper support on the paper output bin or open the front output door if you're printing on special media.**
2. **If loading:**
   - paper, insert one sheet of paper with the print side facing you
   - letterhead paper, insert one sheet of letterhead with the top of the page pointing down, facing you
   - transparencies with a removable stripe, insert one transparency so the stripe is pointing away from you and pointing down
   - envelopes, insert one envelope vertically, flap side down so the stamp area is in the top left corner
   - card stock, insert one card vertically
3. **Slide the paper guides flush against the edges of the media.**
4. **Briefly (approximately one second) push Press Button to start printing.**
5. **When the Load Paper light blinks and the Press Button light comes on, place another sheet/other media in the manual feeder. If you are using MarkVision, you will get a load manual paper/ envelope message.**

Clearing paper jams



If you get a paper jam, the Paper Jam indicator light prompts you to clear the paper path.

If the paper has just started to feed from the paper feeder when the jam occurs:

1. **Pull the paper straight up out of the paper feeder.**
2. **Open and close the printer cover to resume printing.**

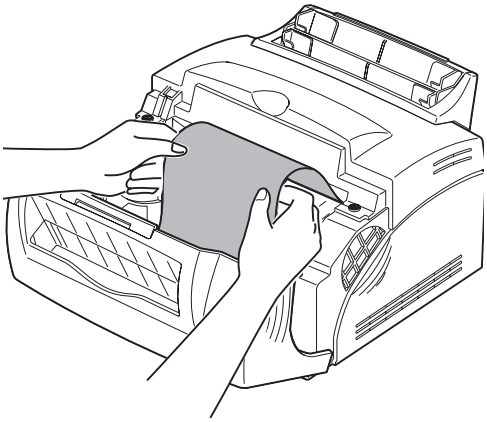
If the paper jam occurs inside the printer:

1. **Remove the paper from the output bin.**
2. **Turn the printer off, then on.**

If this doesn't clear the jam:

3. **Open the printer cover.**
4. **Remove the print cartridge and cover it.**

Note: Exposing the photoconductor to light may damage the print cartridge. After you remove the cartridge from the printer, cover it or store it in a clean, dark place.



5 **Grasp the paper on both sides and pull the paper toward you.**

6 **Make sure there is no more paper in the printer.**

7 **Re-insert the print cartridge.**

8 **Close the printer cover to resume printing.**

Note: If the paper jam is in the fuser, try opening and closing the cover. Each time you open and close the cover, the paper advances until you can pull it out.

If a paper jam occurs while printing labels:

1 **Be sure the labels remain attached to the backing sheet after clearing the paper jam.**

2 **Feed 10 or more sheets of plain paper through the printer before resuming label printing. The plain paper will remove any remaining adhesive in or on the fusing unit.**

Note: Serious damage to your printer may occur if adhesive labels remain in the fusing unit. Call for service.

Troubleshooting Tips

Problem:	What to do:
Paper sticks together/printer feeds multiple sheets of paper. Paper skews or buckles.	• Make sure you are using recommended paper/other media (see Paper types and sizes).
Envelopes fail to feed correctly.	• Make sure the envelopes are loaded in the *center* of the feeder. • Try a different kind. Envelopes designed for laser printers produce better results.

4 Troubleshooting

For help solving printing problems, refer to the following tables. If you cannot fix the problem, contact your point of purchase for assistance. You may have a printer part that requires cleaning or replacement by a service technician.

Print quality problems

Problem:	What to do:
Light or blurred characters.	• Make sure you removed the sealing tape from the print cartridge. • Hot/humid or cold/dry weather conditions may affect how well toner adheres to paper. Select the next darker print setting. • If Toner Saver is on, turn it off using MarkVision or your printer driver. • Remove the print cartridge, shake it from side-to-side to redistribute the toner, and reinsert it. • Run Engine Clean Cycle to remove any toner that may have accumulated (see Engine clean cycle). • Make sure you are using recommended paper/other media (see Paper types and sizes). • Use MarkVision to define the Custom Type setting for media type, media texture or media weight. • Replace the print cartridge.
Toner smudges appear on the front or back of the page.	• Run Engine Clean Cycle to remove any toner that may have accumulated (Engine clean cycle). • Make sure the paper is straight and unwrinkled. • Replace the print cartridge.
Vertical or horizontal streaks appear on the page.	• Run Engine Clean Cycle to remove any toner that may have accumulated (Engine clean cycle). • Replace the print cartridge.

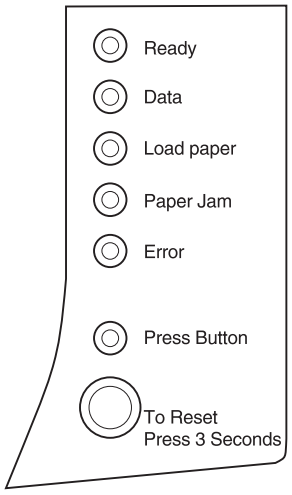
Print quality problems

Toner smears or rubs off the page.	• Run Engine Clean Cycle to remove any toner that may have accumulated (Engine clean cycle). • Select a different Media Type or Form Type setting from your Lexmark printer driver. • Try a different kind of xerographic bond paper.
Solid black areas on transparencies or paper contains white streaks.	• Choose a different fill pattern in your software application. • Try a different type of paper. Paper designed for copiers give the best quality. • Replace the print cartridge.
Faint images or repetitive spots appear on the page.	• Select a different Media Type or Form Type setting from your Lexmark printer driver. • Try a different kind of xerographic bond paper. • Replace the print cartridge.

Printing problems

Problem:	What to do:
Printer has missing or damaged parts.	• Inside the U.S., call the number listed on your printer registration card. • Outside the U.S., contact your point of purchase.
Power is turned on at a power strip but the Ready light is not on.	• Be sure the printer power switch is on too.
Printer is on, but nothing prints.	• Make sure the print cartridge is installed. • Make sure the parallel cable is firmly plugged into the connector on the back of the printer. • Print a test page (do a brief button press) to determine if the problem is with the printer or the computer. – If you can print a test page, the problem is in the computer or the software application. – If you cannot print a test page, call the Lexmark service number listed on the printer registration card.
Printer does not print even though a paper jam has been cleared.	• Open and close the printer cover to restart the printer.
Unexpected characters print or characters are missing.	• Make sure you are using the correct printer driver. • Select Hex Trace Mode from the Special Function Menu to determine what the problem is. • Restore factory defaults (Reset user defaults).
While in PostScript Level 2 emulation, the printer is flushing data (Data and Error indicator lights are blinking).	• Make sure you are using the correct PostScript driver. • The printer doesn't have enough memory to print the job. Install more memory (see Installing a printer memory card).
While in MarkVision, the Press Button light is on.	• The printer is off-line. Press and hold the operator panel button for 3 seconds to reset the printer.

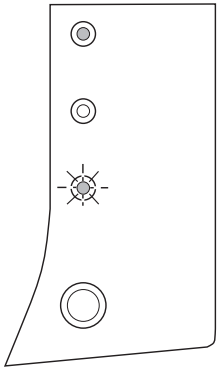
Indicator lights



The next section explains the various light sequences with a corresponding illustration.

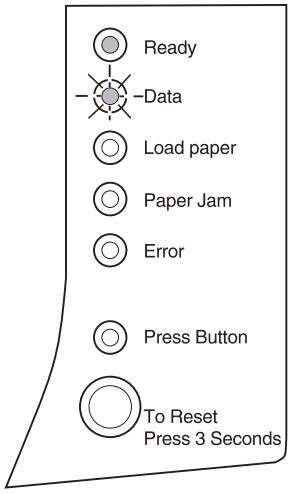
The indicator lights mean different things, depending on their sequence. They indicate that the printer is Ready to print (printer status information); the printer needs attention (printer attendance information); or the printer needs servicing (printer service information).

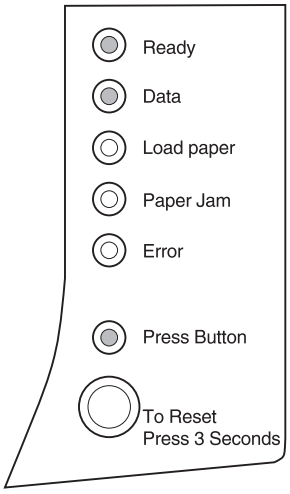
Operator panel terms

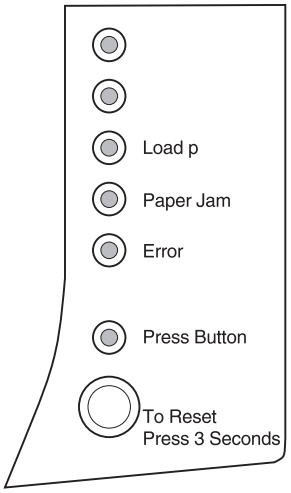
	Light is on
	Light is off
	Light is blinking
	Press Button • Brief button press (push the button once for no more than 3 seconds) • Long button press (hold until all the lights come on) • Double click button press (push and release the button twice quickly)

Printer status information

If your printer lights look like this:	Then your printer:
	is **Ready** to receive and process data. • Print a test page by pushing the operator panel button with a brief button press, or • reset the printer by pushing the operator panel button with a long button press. Each time the printer is reset, the print job in process is terminated.

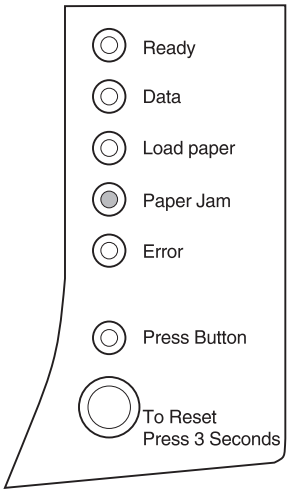
If your printer lights look like this:	Then your printer:
	is **Busy** receiving data, processing data, the print engine is running, or processing/printing a test page. • If you want to reset the printer, push the operator panel button with a long button press.

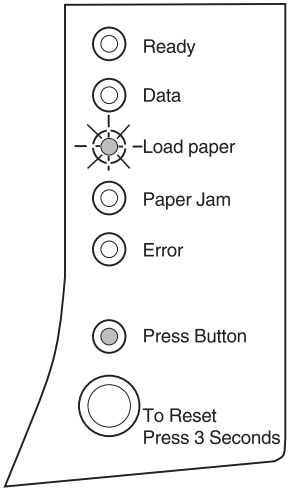
If your printer lights look like this:	Then your printer:
	is **Waiting** until a Print Timeout occurs or until additional data is received. • Print data stored in the printer buffer by pushing the operator panel button with a brief button press or • reset the printer by pushing the operator panel button with a long button press.

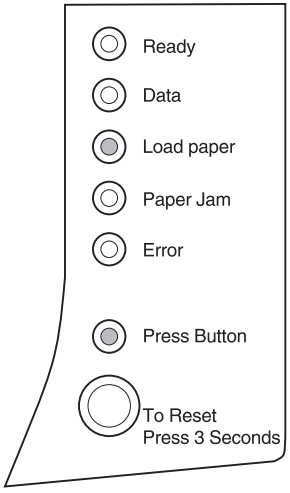
If your printer lights look like this:	Then your printer:
	is **Resetting** settings to their power-on default settings or saving settings changed in configuration mode.

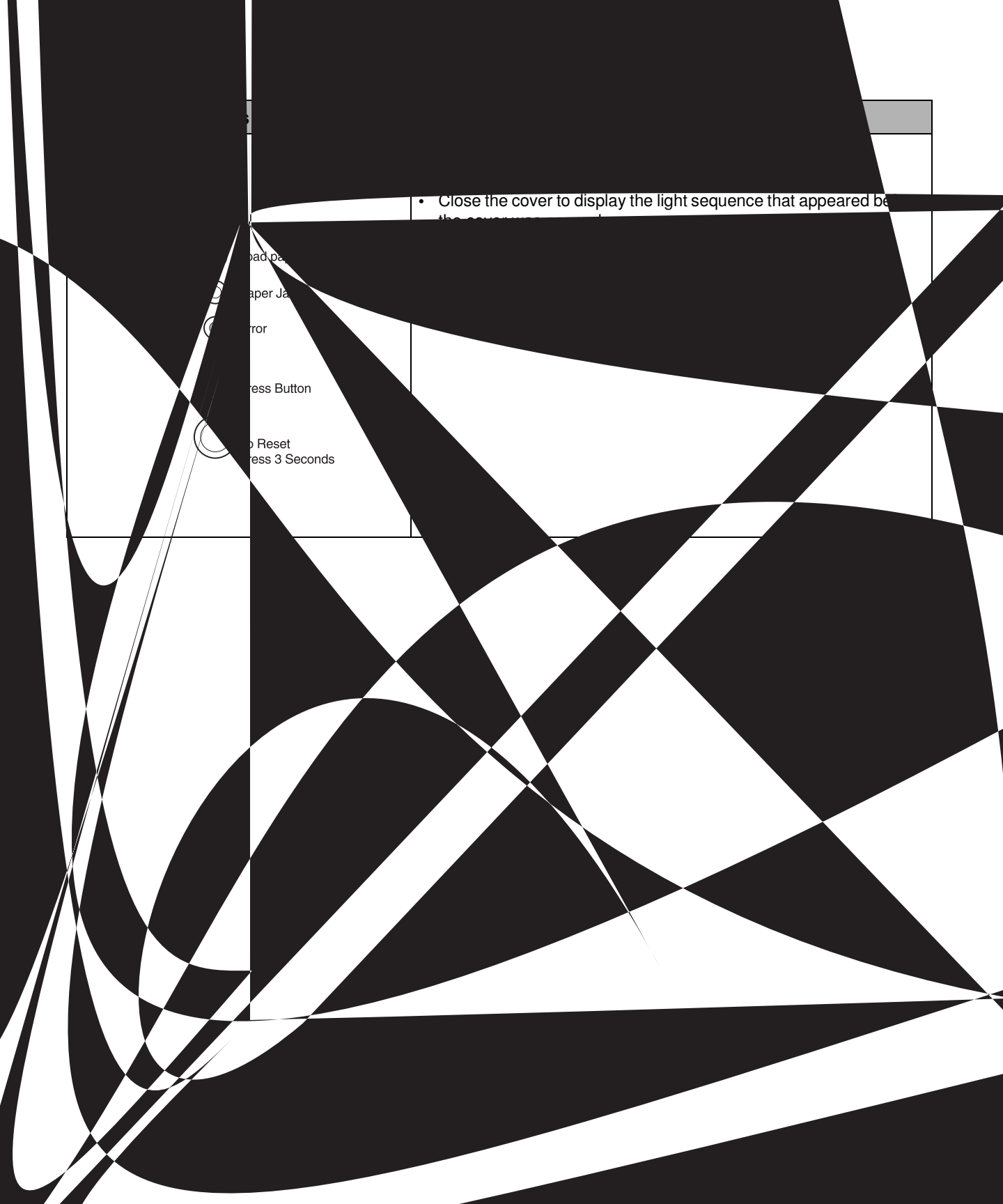
If your printer lights look like this:	Then your printer:
	is **Flushing** corrupted print data.

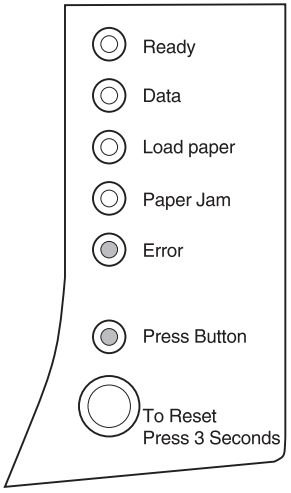
Printer attendance information

If your printer lights look like this:	Then your printer:
	detects a **Paper Jam**. • Open the printer cover, clear all paper from the paper path and close the cover to resume printing.

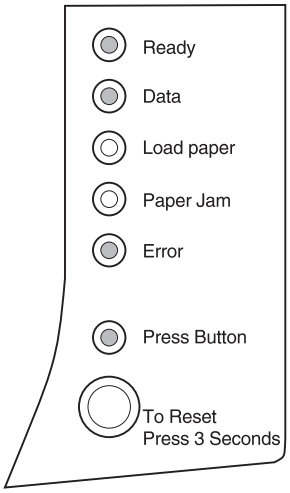
If your printer lights look like this:	Then your printer:
	is prompting you to load media for **manual** feed. The printer stops and displays this light sequence for each piece of media you want to print. • Load media, with the side to be printed facing the front of the printer, into the manual feeder and push the operator panel button to resume printing, or • reset the printer by pushing the operator panel button with a long button press.

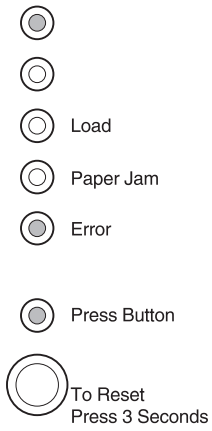
If your printer lights look like this:	Then your printer:
	is alerting you that the printer is out of paper/envelopes or that the paper did not feed properly from the automatic paper feeder. • Load media into the automatic paper feeder and push the operator panel button to resume printing or • reset the printer by pushing the operator panel button with a long button press.


• Close the cover to display the light sequence that appeared be
aper Ja
rror
ress Button
o Reset
ress 3 Seconds

If your printer lights look like this:	Then your printer:
	• **memory** is **full**, or • received a page that is too **complex** to print, or • **reduces** the resolution of a formatted page to 300 dpi before printing, or • has a **PPDS font error**, or • doesn't have enough memory to save what is in the buffer (**resource save off**), or • doesn't have enough memory to defragment flash memory (**insufficient defrag memory**), or • cannot communicate with the host computer (**host interface error**). Each of the errors described above has a unique, secondary error code. Display the secondary error code by double-clicking the operator panel button.

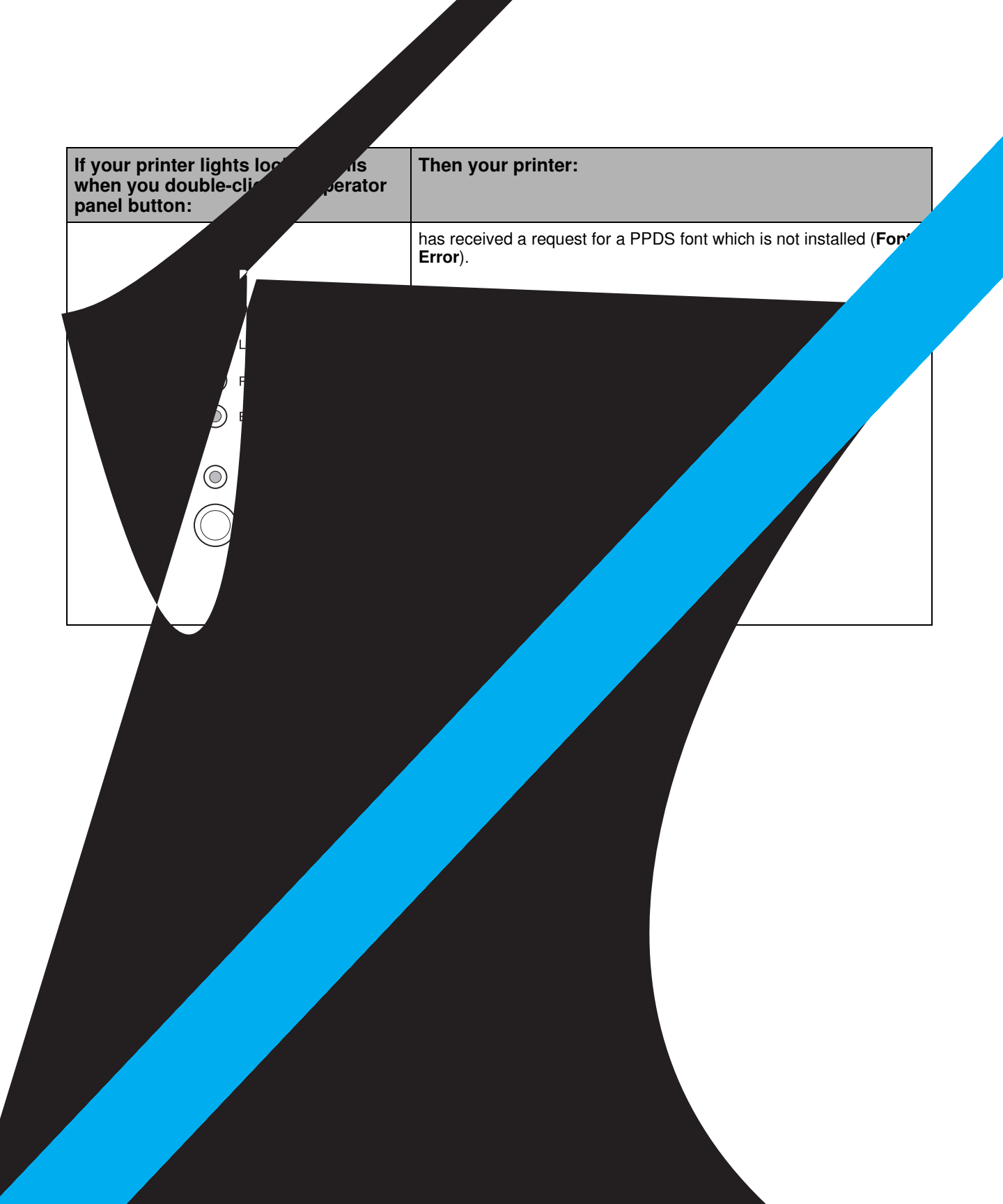
Secondary error codes

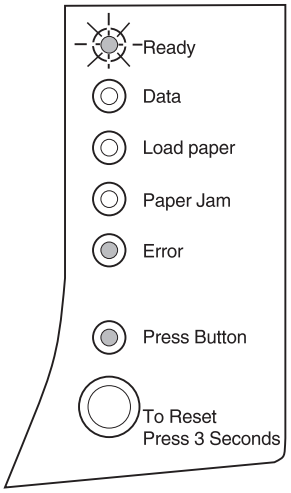
If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	memory is full (**Memory Full**). • Reduce the complexity of the job and/or the resolution, or • press the operator panel button with a brief button press to resume printing, or • reset the printer by pushing the operator panel button with a long button press.

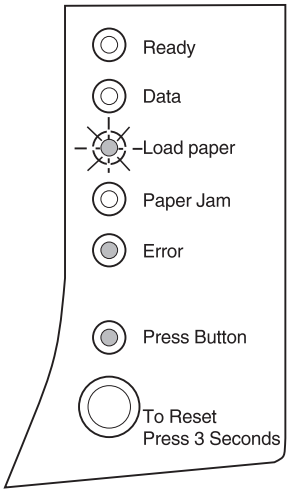
If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	has received a page that is too complex to print (**Complex Page**). • Switch the printing mode to a different printing mode via the Lexmark driver for Windows, or • press the operator panel button with a brief button press to resume printing, or • reset the printer by pushing the operator panel button with a long button press.

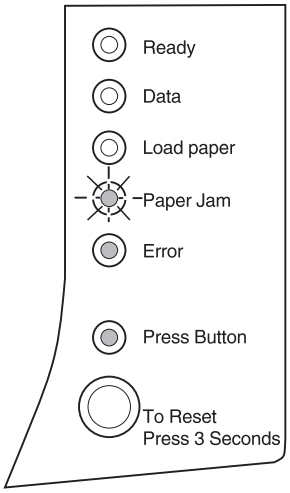
If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	is out of memory while formatting a page and is forced to reduce the

If your printer lights lo[illegible]ns when you double-cli[illegible]perator panel button:	Then your printer:
	has received a request for a PPDS font which is not installed (**Font Error**).

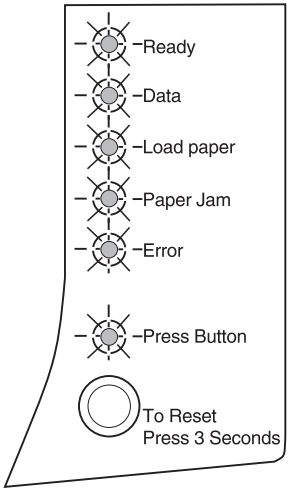


If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	doesn't have enough memory to save what is in the buffer (**Resource Save Off**). • Install additional memory or • push the operator panel button to resume printing, or • reset the front panel by pushing the operator panel button with a long button press.

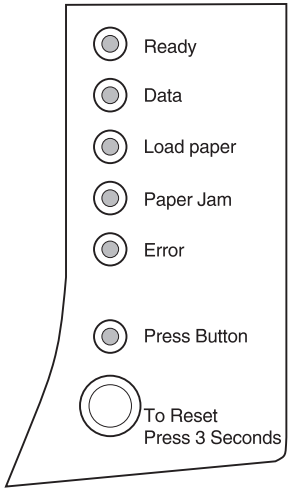
If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	has insufficient memory to free up unused space in flash memory (**Insufficient Defrag Memory**). • Delete fonts, macros and other data in RAM, or install additional printer memory, then issue a PJL command to begin freeing up unused space in flash memory.

If your printer lights look like this when you double-click the operator panel button:	Then your printer:
	has an error communicating with the host computer (**Host Interface Error**). This error is displayed if: • you have an external print server connected to your printer, but your printer can't detect it when you first turn the printer on, or • the computer attempts to communicate with the printer through the parallel port, but the port setting has been disabled in configuration mode, or • the computer attempts to communicate with the printer through the USB port, but the port has been disabled in configuration mode.
	• If this error occurs when you turn on the printer, double check that the ENA is still plugged in to the printer. • If you want to print through the parallel port, print a menu settings page (see Printing a test page) to verify that the parallel buffer setting is disabled. Re-enable the parallel port in configuration mode (see the table on page 69). • If you're printing through the USB port, print a menu settings page (see Printing a test page) to verify that the USB buffer setting is disabled. Re-enable the USB port in configuration mode (see the table on page 76).

Printer service information

If your printer lights look like this:	Then your printer:
	has a service error and printing stops immediately. • Turn the printer off and back on. If the lights are still blinking, contact your point of purchase, or call the Lexmark service number listed on your printer registration card.

Reset user defaults



When formatting problems occur or unexpected characters print, try resetting the printer default settings to your user defaults. Press and hold the operator panel button until all indicator lights are on.

Once the default settings are reset, the Ready light comes on.

Engine clean cycle

For print quality problems, such as stray toner marks appearing on the paper, select the Engine Clean Cycle setting to remove any toner that may have accumulated.

1. **Turn off the printer.**
2. **Open the top cover.**
3. **Turn the printer back on.**
4. **Load paper into the paper feeder.**
5. **When the Error light comes on, indicating the top cover is open, do a double button press.**
6. **When the Error light and Press Button light blink, close the cover.**

   The Special Function Menu is activated.

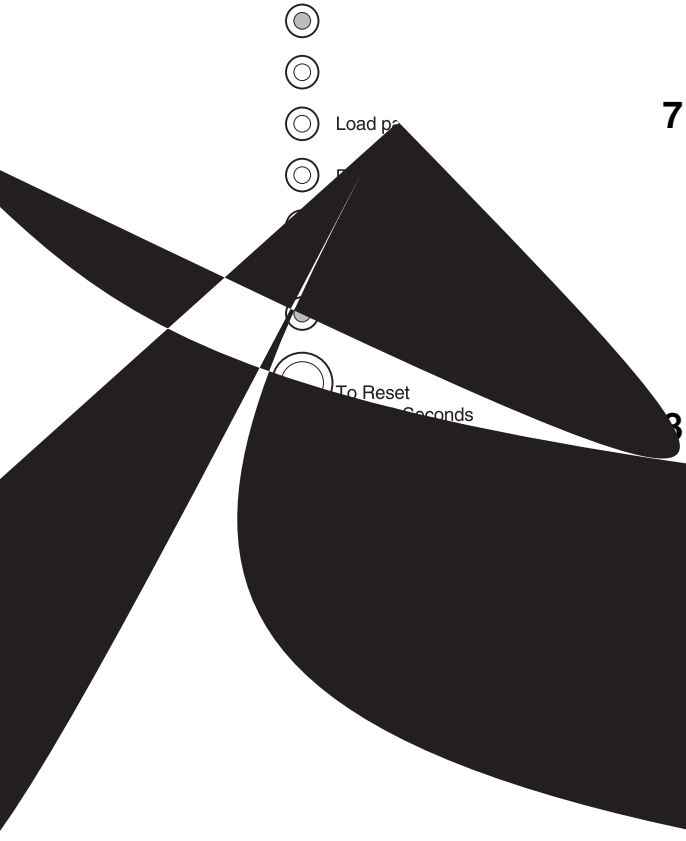
   Engine Clean Cycle is the first menu selection in the Special Function Menu. The operator panel **Ready** light is on solid, the **Error** light is blinking and the **Press Button** light is blinking.

7. **Do a long button press to start Engine Clean Cycle.**

   a. The printer feeds one sheet of plain paper through the paper path to remove any accumulated toner.

   b. Once the paper exits into the output bin, the printer returns to the **Ready** state.

8. **If necessary, repeat this process two or three times until all of the excess toner is removed.**



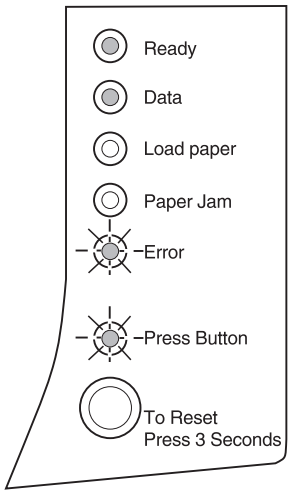
Print quality test pages

To help isolate print quality problems, like streaking, select the Print Quality Test Pages setting.

1. **Turn off the printer.**
2. **Open the top cover.**
3. **Turn the printer back on.**
4. **Load paper into the paper feeder.**
5. **When the Error light comes on, indicating the top cover is open, do a double button press.**
6. **When the Error light and Press Button light blink, close the cover.**

   Do a double button press 4 times to scroll down to Print Quality Test Pages.

   The operator panel **Ready** light is on solid, the **Data** light is on solid, the **Error** light is blinking and the **Press Button** light is blinking.



7. **Do a long button press to start Print Quality Test Pages.**

   a. Three pages print out to help you evaluate print quality. The first page has registration marks, the second page is gray and the third page is black.

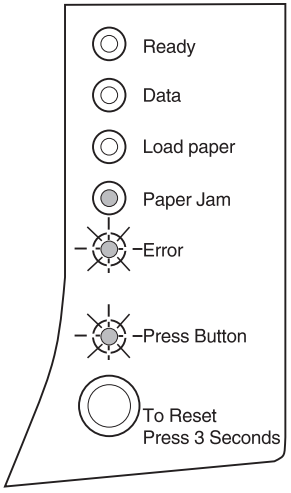
   b. Once the paper exits into the output bin, the printer returns to the **Ready** state.

When you've isolated the problem, i.e., print is too light, toner streaks, and so on, refer to the troubleshooting tables beginning on page 37.

Enter Hex Trace mode

When unexpected characters print or characters are missing, use Hex Trace to help you determine if there is a problem with the language interpreter or the cable. Hex Trace isolates printing problems by telling you what information your printer is receiving.

To enter Hex Trace mode:



1. **Turn off the printer.**
2. **Open the top cover.**
3. **Turn the printer back on.**
4. **When the Error light comes on, indicating the top cover is open, do a double button press.**
5. **When the Error light and Press Button light blink, close the cover.**
6. **Do a double button press 3 times to scroll down to Enter Hex Trace.**

   When the **Enter Hex Trace** setting is selected, the **Paper Jam** light is on solid, the **Error** light is blinking and the **Press Button** light is blinking.
7. **Do a long button press to start Hex Trace.**

   Data sent to the printer is printed out in hexadecimal and character representation to help isolate the source of the problem.
8. **To exit Hex Trace, turn off the printer or press the operator panel button to reset the printer.**

Restore factory defaults

If changing the printer user default settings does not solve formatting problems, reset the printer to the original factory default settings.

1 Turn off the printer.

2 Open the top cover.

3 Turn the printer back on.

4 Load paper into the paper feeder.

5 When the Error light comes on, indicating the top cover is open, do a double button press.

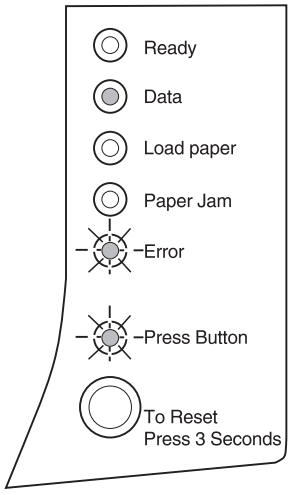
6 When the Error light and Press Button light blink, close the cover.

7 Do a double button press 1 time to scroll down to Reset Defaults.

The operator panel **Data** light is on solid, the **Error** light is blinking and the **Press Button** light is blinking.

8 Do a long button press to reset the printer to the original factory defaults.

Once the settings are returned to the factory default values, the printer returns to the **Ready** state.



Note: When you restore factory default settings, all downloaded fonts, macros and symbol sets in printer memory are deleted. (Resources in flash memory are unaffected.)

Before you call for service

If you can't solve your printer problems, it's time to call for service. Before you call, however, check the following:

- Is the power cord plugged into the printer?
- Is the power cord plugged directly into a properly grounded wall outlet?
- Is your printer properly connected to your computer?
- Are all other devices attached to your printer plugged in and turned on?
- Is the wall outlet turned off by any switches?
- Did a fuse blow?
- Has a power outage occurred in your area?
- Is a print cartridge installed in your printer?
- Is the printer cover closed completely?

Once you've checked these things, turn your printer off and back on again. If your printer is still not operating properly, call the Lexmark service number listed on the printer registration card or contact your point of service.

If the Ready indicator light is on, briefly press the operator panel button to print a test page. It lists your printer model, printer memory installed and your user default settings. The service representative will probably ask for this information.

5 Supplies

Within the U.S. or Canada, you can order Lexmark supplies from any Lexmark Authorized Supplies Dealer. To locate the dealer nearest you, call the number on the printer registration card that came with your printer. In other countries, contact the place where you bought your printer.

Print cartridge maintenance

To get the maximum benefit from your print cartridge:

- Do not remove the print cartridge (P/N 13T0101) from its packaging until you are ready to install it.
- Do not refill print cartridges. **The printer warranty does not cover damage caused by using refilled cartridges**.
- Store print cartridges in the same environment as the printer.
- Do not remove a print cartridge from the printer except to replace it or to clear a paper jam.

Troubleshooting Tips

Problem	Action
Characters appear light or blurred.	• Make sure you removed the sealing tape from the print cartridge. • Replace the print cartridge.
Printer seems to be printing, but pages are blank.	• The print cartridge may be out of toner. Replace the cartridge. • The print cartridge may be defective. Replace the cartridge. • Make sure you removed the sealing tape from the print cartridge.
Printer is on, but nothing prints. Jobs are not printing and the Error light is on solid.	• Make sure the print cartridge is installed.

Recycling used supplies

Lexmark's Operation ReSource[SM] program lets you participate in worldwide recycling at no cost to you.

Some shipping cartons have printed instructions for participating in Operation ReSource. Other supplies come packaged with a prepaid shipping label that you may use in the specified country. If the shipping label is not appropriate for your country, or if you need additional recycling instructions, contact the place where you bought your printer.

A Printer specifications

Printer features

- Prints up to 10 pages per minute
- 600 and 300 dpi print resolutions
- 1200 Image Quality
- PostScript Level 2 emulation standard
- PCL 6 and PCL 5e emulations standard
- 45 LaserJet-compatible scalable fonts plus 30 additional PCL scalable fonts
- 39 Optra-compatible scalable fonts plus 36 PostScript scalable fonts
- 150-sheet automatic paper input tray and a single-sheet manual input tray
- 100-sheet paper output tray and a single-sheet output door
- 4MB printer memory
- 4MB, 8MB, 16MB, 32MB and 64MB memory options for 68MB maximum memory expansion
- 1MB, 2MB and 4MB flash memory options
- USB capability
- Single element print cartridge for easy, clean-hands installation

Printer dimensions

Height:	8.8 in. (224 mm)
Width:	13.6 in. (345 mm)
Depth:	14.4 in. (365 mm)
Weight:	16.5 lb (7.5 kg) with print cartridge

B Advanced troubleshooting

If you contact the Lexmark Customer Support Center to help you resolve a printing problem, they may guide you through configuration mode to change a default setting (i.e., turning on the PPDS Activated setting if your job application uses the PPDS datastream).

Use the operator panel or the MarkVision remote operator panel to set or change specific printer functions in configuration mode.

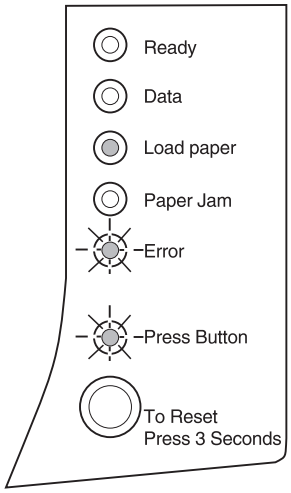
The following settings may be selected while in configuration mode:

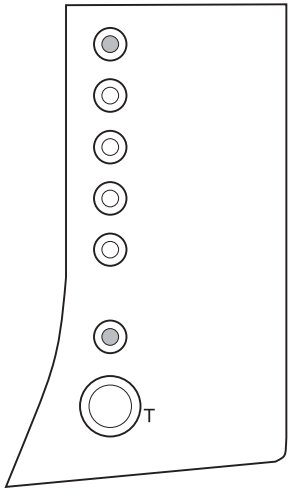
- Parallel Port Settings
  - Enable Port
  - NPA Mode
  - Protocol
  - Mode 1
  - Mode 2
  - Strobe Adjust
- USB Settings
  - Enable Port
  - NPA Mode
- PPDS Activated
- Auto LFCR after CRLF

To enter configuration mode you must be in the Special Function Menu:

1. **Turn off the printer.**
2. **Open the top cover.**
3. **Turn the printer back on.**
4. **When the Error light comes on, indicating the top cover is open, do a double button press.**
5. **When the Error light and Press Button light blink, close the cover.**
6. **Do a double button press twice to scroll down to Enter Configuration Mode.**

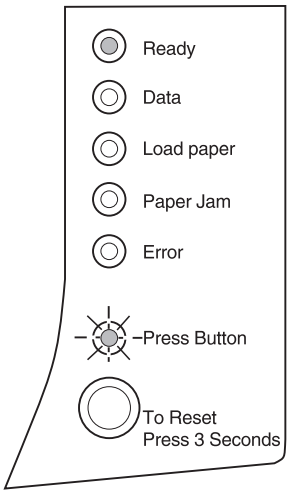
   When the **Enter Configuration Mode** setting is selected, the operator panel **Load Paper** light is on solid, the **Error** light is blinking and the **Press Button** light is blinking.
7. **Do a long button press to initiate Configuration Mode.**

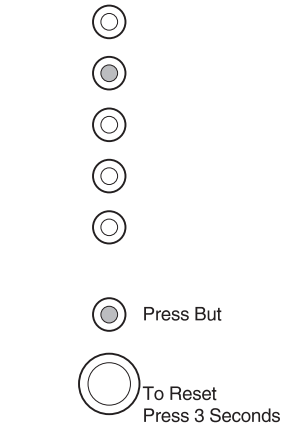


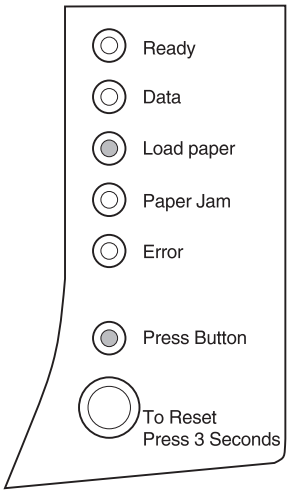


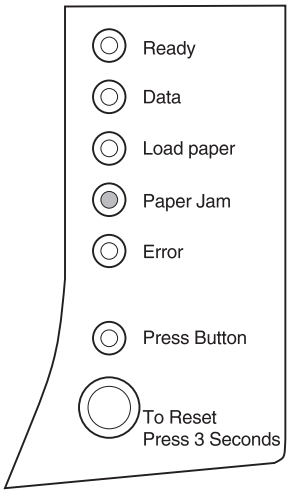
This illustration represents the operator panel settings in configuration mode when an indicator light is on solid.

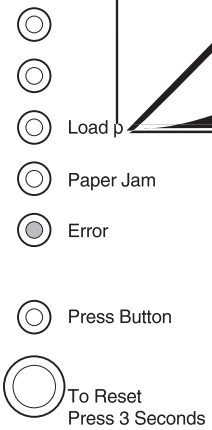
When the printer is in configuration mode, the indicator lights take on new meanings based on their function. The following tables describe the function of each of these settings.

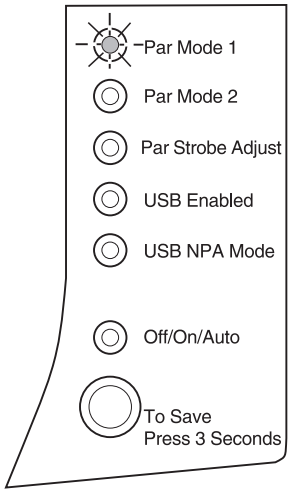
If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel Port Enabled setting is set to Auto, the factory default. If your printer encounters a memory shortage when trying to print a job and you are not using the parallel port, turn off Parallel Port Enabled to free up a little more memory. There are three settings for Parallel Port Enabled: Off, On and Auto. • Do a brief button press to scroll through the settings (Off, On, Auto) for this menu item. • Do a double button press to scroll to the next menu item, NPA Mode (Parallel). • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Auto

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel NPA Mode setting is set to Auto, the factory default. When NPA Mode is enabled, your computer can send print jobs to the printer and query printer status information simultaneously. There are three settings for NPA Mode (Parallel): Off, On and Auto. • Do a brief button press to scroll through the settings (Off, On, Auto) for this menu item. • Do a double button press to scroll to the next menu item, Parallel Protocol. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Auto

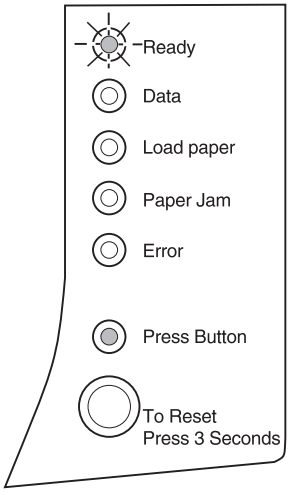
If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel Protocol setting is set to Fastbytes, the factory default. When the protocol is set to Fastbytes, the printer receives information at a much faster transmission rate, provided the host computer supports Fastbytes. When the protocol is set to Standard, the printer receives information at a normal transmission rate. The Press Button light is off when Parallel Protocol is set to Standard. • Do a brief button press to change the setting (Fastbytes, Standard). • Do a double button press to scroll to the next menu item, PPDS Activated. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Fastbytes

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	PPDS Activated setting is off, the factory default. Turn PPDS Activated on when working in applications using the PPDS datastream. There are two settings for PPDS Activated: On and Off. • Do a brief button press to change the setting (On, Off). • Do a double button press to scroll to the next menu item, Auto CRLF/LFCR. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Off

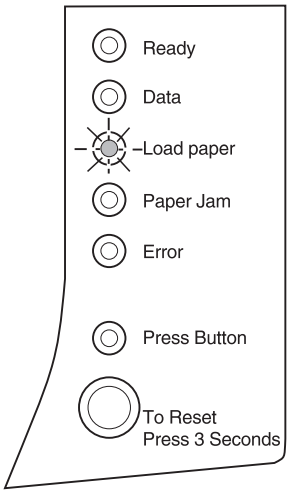
If your printer lights look like this in configuration mode:	Then your printer:	
	Auto CRLF/LFCR set How the printer computer s whethe ret • If the Press Button light is off, Auto CR after LF is Off and Auto LF after CR is Off. • If the Press Button light is on, Auto CR after LF is On and Auto LF after CR is Off. • If the Press Button light is blinking, Auto CR after LF is Off and Auto LF after CR is On. • Do a brief button press to scroll through the settings for this menu item. • Do a double button press to scroll to the next menu item, Parallel Mode 1. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	

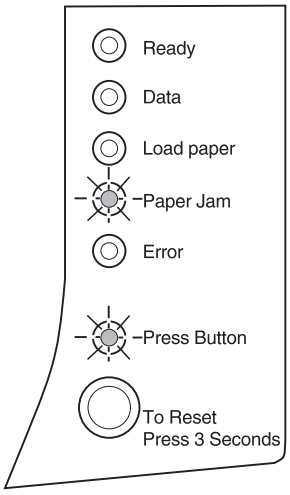


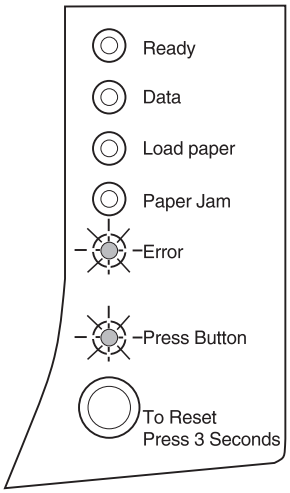
This illustration represents the operator panel settings in configuration mode when an indicator light is blinking. The following tables describe the function of each setting.

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel Mode 1 setting is on, the factory default. This setting enables or disables the pull up resistors on the parallel port signals. It is useful for personal computers that have open collector outputs on the parallel port signals. Set Parallel Mode 1 On to disable the resistors or Off to enable the resistors. • Do a brief button press to scroll through the settings (On, Off) for this menu item. • Do a double button press to scroll to the next menu item, Parallel Mode 2. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	On

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel Mode 2 setting is on, the factory default. This setting determines if the parallel port data is sampled on the leading or trailing edge of strobe. If Parallel Mode 2 is set On, the parallel port data is sampled on the leading edge of strobe. The parallel port data is sampled on the trailing edge of strobe if Parallel Mode 2 is set Off. • Do a brief button press to scroll through the settings (On, Off) for this menu item. • Do a double button press to scroll to the next menu item, Parallel Strobe Adjust. • Do a long button press to select and save a setting for this menu. As the setting is saved, all indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	On

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	Parallel Strobe Adjust setting is off (0), the factory default. This setting lets you increase the amount of time strobe is sampled to determine that valid data is available on the parallel port. • Do a brief button press to scroll through the settings (Off=0, On=+1, Auto=+2) for this menu item. • Do a double button press to scroll to the next menu item, USB Port Enabled. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	0

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	USB Port Enabled setting is set to Auto, the factory default. The Universal Serial Bus (USB) lets you connect a variety of devices, i.e., a printer, to your computer with a single cable. • Do a brief button press to scroll through the settings (Off, On, Auto) for this menu item. • Do a double button press to scroll to the next menu item, USB NPA Mode. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Auto

If your printer lights look like this in configuration mode:	Then your printer:	Factory Default
	USB NPA Mode setting is set to Auto, the factory default. When USB NPA Mode is enabled, your computer can send print jobs to the printer and query printer status information simultaneously. • Do a brief button press to scroll through the settings (Off, On, Auto) for this menu item. • Do a double button press to scroll to the next menu item, Parallel Port Enabled. • Do a long button press to select and save a setting for this menu. As the setting is saved, all operator panel indicator lights remain on for approximately 2 seconds. Turn off the printer to exit configuration mode.	Auto

C Safety information

- If your product is NOT marked with this symbol ⏚, it MUST be connected to an electrical outlet that is properly grounded.
- The power cord must be connected to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.
- Your product uses a laser, exercise
  CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Your product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

Consignes de sécurité

- Si le symbole ⏚ n'apparaît PAS sur votre produit, ce dernier DOIT être branché sur une prise de courant mise à la terre.
- Le câble d'alimentation doit être connecté à une prise de courant placée près du produit et facilement accessible.
- L'entretien et les réparations autres que ceux décrits dans les instructions d'emploi doivent être effectués par le personnel de maintenance qualifié.
- Ce produit a été conçu, testé et approuvé pour respecter les normes strictes de sécurité globale lors de l'utilisation de composants Lexmark spécifiques. Les caractéristiques de sécurité de certains éléments ne sont pas toujours évidentes. Lexmark ne peut être tenu responsable de l'utilisation d'autres pièces de rechange.
- Le produit utilise un laser :
  ATTENTION : Les commandes, les réglages et l'exécution de toute autre procédure que celle indiquée dans le présent document peuvent entraîner des risques de radiations.
- Le produit utilise un système d'impression qui chauffe le support d'impression duquel peuvent alors se dégager des émissions. Vous devez consulter les directives générales dans la section appropriée des instructions d'emploi pour savoir comment empêcher que ces émissions ne se produisent.

Norme di sicurezza

- Se il prodotto NON è contrassegnato con questo simbolo ⏚ DEVE essere collegato lo stesso ad una presa elettrica con messa a terra.
- Il cavo di alimentazione deve essere collegato ad una presa elettrica posta nelle vicinanze del prodotto e facilmente raggiungibile.
- Per la manutenzione o le riparazioni, escluse quelle descritte nelle istruzioni operative, consultare il personale di assistenza autorizzato.
- Il prodotto è stato progettato, testato e approvato in conformità a severi standard di sicurezza e per l'utilizzo con componenti Lexmark specifici. Le caratteristiche di sicurezza di alcune parti non sempre sono di immediata comprensione. Lexmark non è responsabile per l'utilizzo di parti di ricambio di altri produttori.
- Poiché il prodotto in questione utilizza il laser, considerare il seguente avvertimento:
  ATTENZIONE: L'uso di dispositivi di controllo o di regolazione, o l'esecuzione di procedure non incluse tra quelle descritte in questa documentazione, può provocare una pericolosa esposizione alle radiazioni.
- Il prodotto in questione utilizza un processo di stampa che riscalda i supporti di stampa; il calore generato può determinare l'emissione di sostanze dannose da parte dei supporti. Leggere attentamente la sezione riportata nelle istruzioni riguardante le operazioni di selezione dei supporti di stampa in modo da evitare la possibilità di emissioni dannose.

Sicherheitshinweise

- Falls der Drucker nicht mit diesem Symbol ⏚ markiert ist, muß er an eine ordnungsgemäß geerdete Steckdose angeschlossen werden.
- Das Netzkabel muß an eine Steckdose angeschlossen werden, die sich in der Nähe des Geräts befindet und leicht zugänglich ist.
- Wartungsarbeiten und Reparaturen, mit Ausnahme der in der Betriebsanleitung näher beschriebenen, sollten Fachleuten überlassen werden.
- Dieses Produkt und die zugehörigen Komponenten wurden entworfen und getestet, um beim Einsatz die weltweit gültigen Sicherheitsanforderungen zu erfüllen. Die sicherheitsrelevanten Funktionen der Bauteile und Optionen sind nicht immer offensichtlich. Sofern Teile eingesetzt werden, die nicht von Lexmark sind, wird von Lexmark keinerlei Verantwortung oder Haftung für dieses Produkt übernommen.
- Dieses Produkt verwendet einen Laser. Wenden Sie daher besondere **VORSICHT an: Die Verwendung von Kontrollen bzw. die Regulierung von Vorgängen mit Ausnahme derjenigen, die in dieser Betriebsanleitung behandelt werden, kann Sie gefährlicher Bestrahlung aussetzen.**
- Dieses Produkt verwendet ein Druckverfahren, bei dem das Druckmedium erhitzt wird. Diese Erwärmung kann zu einer Freigabe von Emissionen des Druckmediums führen. Es ist daher wichtig, daß Sie in der Betriebsanleitung den Abschnitt, der sich mit der Auswahl geeigneter Druckmedien befaßt, sorgfältig durchlesen und die dort aufgeführten Richtlinien befolgen, um der Gefahr schädlicher Emissionen vorzubeugen.

Pautas de Seguridad

- Si su producto NO tiene este símbolo, ⏚ , es IMPRESCINDIBLE conectarlo a una toma de corriente eléctrica con toma de tierra correcta.
- El cable de alimentación deberá conectarse a una toma de corriente situada cerca del producto y de fácil acceso.
- Cualquier servicio o reparación deberá realizarse por parte del personal cualificado, a menos que se trate de las averías descritas en las instrucciones de utilización.
- Este producto se ha diseñado, verificado y aprobado para cumplir los más estrictos estándares de seguridad global usando los componentes específicos de Lexmark. Puede que las características de seguridad de algunas piezas no sean siempre evidentes. Lexmark no se hace responsable del uso de otras piezas de recambio.
- El producto utiliza un láser. Actúe con **PRECAUCION: El uso de los controles o ajustes o el llevar a cabo procedimientos distintos a los especificados aquí puede causar niveles de radiación peligrosos.**
- Durante el proceso de impresión que utiliza este producto se calienta el medio de impresión, y el calor puede provocar que el medio emita gases. Para evitar emisiones peligrosas, el usuario deberá comprender y seguir lo expuesto en la sección de las instrucciones de utilización donde se describen las directrices para seleccionar el medio de impresión.

Veiligheidsvoorschriften

- Zorg ervoor dat uw produkt is aangesloten op een geaard stopcontact als het produkt NIET is gemarkeerd met det symbool ⏚ .
- Het netsnoer moet worden aangesloten op een gemakkelijk bereikbaar stopcontact in de buurt van het produkt.
- Neem contact op met een professionele onderhoudstechnicus voor onderhoud en reparaties die niet in de bij het produkt geleverde instructies beschreven worden.
- Dit product is ontworpen, getest en goedgekeurd om te voldoen aan strenge internationale veiligheidsvoorschriften. Deveiligheidsvoorzieningen van bepaalde onderdelen zullen niet altijd duidelijk zichtbaar zijn. Lexmark is niet verantwoordelijk voor het gebruik van andere vervangende onderdelen.
- Uw produkt maakt gebruik van een laser, wees **VOORZICHTIG: Instellen van het controlepaneel of, aanpassingen of uitvoering van procedures op andere wijze dan hier is gespecificeerd kunnen leiden tot blootstelling aan gevaarlijke straling.**
- Uw produkt gebruikt een afdrukproces waarbij het afdrukmateriaal verhit raakt. Hierdoor kan straling vrijkomen. Lees het gedeelte in de bij het produkt geleverde instructies, waarin richtlijnen voor de keuze van afdrukmateriaal worden beschreven, zorgvuldig door, zodat u mogelijke schadelijke straling kunt voorkomen.

Sikkerhedsoplysninger

- Hvis dit produkt IKKE er markeret med dette symbol ⏚ , SKAL det sluttes til en stikkontakt med jordforbindelse.
- Ledningen skal sluttes til en stikkontakt, der er tæt på produktet og som er let tilgængelig.
- Service og reparationer, som ikke er beskrevet i brugsanvisningen, skal udføres af en kvalificeret tekniker.
- Dette produkt er udviklet, testet og godkendt i overensstemmelse med Lexmarks verdensomspændende standarder for sikkerhed. Delenes sikkerhedsfunktioner kan være skjulte. Lexmark påtager sig intet ansvar for brugen af uoriginale reservedele.
- Dit produkt bruger en laser og du skal være **FORSIGTIG: Brug af styremekanismer, indstillinger eller fremgangsmåder, som ikke er beskrevet her, kan resultere i farlig radioaktiv bestråling.**
- Produktet benytter en udskrivningsproces, der opvarmer skrivemediet og denne varme kan føre til at udskriftmedier afgiver dampe. Det er vigtigt at du forstår den del af brugsanvisningen, der omhandler valg af udskriftsmedium, så du kan undgå farlige dampe.

Sikkerhetsinformasjon

- Hvis produktet ditt ikke er merket med dette symbolet, ⧈, må det bare kobles til en stikkontakt som er jordet.
- Ledningen må være koblet til en stikkontakt nær produktet. Stikkontakten må være lett tilgjengelig.
- La bare kvalifisert personale ta seg av service og reparasjon som ikke er direkte beskrevet i bruksanvisningen.
- Dette produktet er utviklet, testet og godkjent i overensstemmelse med strenge verdensomspennende sikkerhetsstandarder for bestemte Lexmark-deler. Delenes sikkerhetsfunksjoner kan være skjulte. Lexmark er ikke ansvarlig for bruk av uoriginale reservedeler.
- Produktet ditt bruker en laser.
  ADVARSEL: Bruk av styremekanismer, innstillinger eller fremgangsmåter som ikke er beskrevet her, kan resultere i farlig utstråling.
- Produktet ditt bruker en utskriftsprosess som varmer opp skrivemediet, og varmen kan føre til utslipp. Forsikre deg om at du forstår den delen av bruksanvisningen som omhandler valg av utskriftsmedium, slik at du kan unngå farlige utslipp.

Säkerhetsanvisningar

- Om produkten INTE är märkt med denna symbol ⧈ MÅSTE den anslutas till ett jordat vägguttag.
- Nätkabeln måste anslutas till ett lättåtkomligt vägguttag i närheten av maskinen.
- Låt endast utbildad servicepersonal utföra sådan service och sådana reparationer som inte beskrivs i handledningen.
- Denna produkt är utformad, testad och godkänd för att uppfylla internationella säkerhetsbestämmelser när den används tillsammans med andra Lexmark-produkter. Säkerhetsegenskaperna för vissa delar är inte helt uppenbara. Lexmark frånsäger sig ansvaret om delar av ett annat fabrikat används.
- Var försiktig - maskinen använder laser.
  VARNING! Det finns risk att du utsätter dig för hälsovådlig strålning om du använder andra reglage eller justeringar, eller om du utför andra procedurer än de som beskrivs här.
- Maskinen använder en utskriftsmetod som upphettar utskriftsmaterialet. Hettan kan i vissa fall leda till att materialet avger partiklar. Undvik skadliga partiklar genom att noga läsa det avsnitt i handledningen som beskriver hur man väljer utskriftsmaterial.

Informació de Seguretat

- Si el vostre producte NO està marcat amb el símbol ⧈, S'HAURÀ de connectar a una presa elèctrica de terra.
- El cable de potència s'haurà de connectar a una presa de corrent propera al producte i fàcilment accessible.
- Si heu de fer una reparació que no figuri entre les descrites a les instruccions de funcionament, confieu-la a un professional.
- Aquest producte està dissenyat, comprovat i aprovat per tal d'acomplir les estrictes normes de seguretat globals amb la utililització de components específics de Lexmark. Les característiques de seguretat d'algunes peces pot ser que no sempre siguin òbvies. Lexmark no es responsabilitza de l'us d'altres peces de recanvi.
- El vostre producte funciona amb un làser. Procediu amb **PRECAUCIÓ: La utilització de controls, els ajustaments o la realització de procediments distints dels especificats aquí poden donar lloc a una exposició a radiacions perillosa.**
- El vostre producte fa servir un procediment d'impressió que escalfa el mitjà d'impressió, i la calor pot fer que aquest mitjà alliberi emissions. Llegiu atentament l'apartat de les instruccions de funcionament on s'exposen les directrius de selecció del mitjà d'emissió per tal d'evitar la possibilitat d'emissions nocives.

Turvaohjeet

- Jos tuotteessa ei ole tätä tunnusta, ⧈, sen saa kytkeä vain maadoitettuun pistorasiaan.
- Tuotteen verkkojohto on kytkettävä sitä lähellä olevaan pistorasiaan. Varmista, että kulku pistorasian luo on esteetön.
- Muut kuin käyttöohjeissa mainitut huolto- tai korjaustoimet on jätettävä huoltoedustajalle.
- Tämä tuote on testattu ja hyväksytty. Se täyttää korkeat maailmanlaajuiset turvallisuusvaatimukset, kun siinä käytetään tiettyjä Lexmarkin valmistusosia. Joidenkin osien turvallisuusominaisuudet eivät aina ole itsestään selviä. Lexmark ei vastaa muiden kuin alkuperäisten osien käytöstä.
- Laite sisältää lasertuotteen.
  Varoitus: Muiden kuin tässä mainittujen säätöjen tai toimien teko voi saattaa käyttäjän alttiiksi vaaralliselle säteilylle.
- Tulostusmateriaali kuumenee tulostusprosessin aikana. Lämmön vaikutuksesta materiaalista saattaa irrota haitallisia aineita. Voit välttää haitalliset päästöt noudattamalla käyttöohjeissa annettuja tulostusmateriaalien valintaohjeita.

Informações de Segurança

- Se o produto NÃO estiver marcado com este símbolo, ⧈, é necessário ligá-lo a uma tomada com ligação à terra.
- O cabo deve ser ligado a uma tomada localizada perto do produto e facilmente acessível.
- Para todos os serviços ou reparações não referidos nas instruções de operação, deve contactar um técnico dos serviços de assistência.
- Este produto foi concebido, testado e aprovado para satisfazer os padrões globais de segurança na utilização de componentes específicos da Lexmark. As funções de segurança de alguns dos componentes podem não ser sempre óbvias. A Lexmark não é responsável pela utilização de outros componentes de substituição.

- O produto utiliza raios laser, tome
  CUIDADO: O uso de controlos, ajustamentos ou a execução de procedimentos diferentes dos especificados podem ocasionar exposição perigosa a radiações.
- O produto utiliza um processo de impressão que aquece os materiais de impressão. Devido ao aquecimento, estes podem libertar emissões radioactivas. É necessário compreender as instruções de operação relativas à escolha dos materiais de impressão a fim de evitar emissões perigosas.

Informações de Segurança

- Se o produto NÃO estiver marcado com este símbolo, ⧈ , ele DEVE SER conectado a uma tomada elétrica com ligação à terra.
- O cabo de alimentação deve ser conectado a uma tomada elétrica localizada perto do produto e de fácil acesso.
- Para todos os serviços ou reparações não descritos nas instruções de operação, entre em contato com um técnico dos serviços de assistência.
- Este produto está projetado, testado e aprovado para satisfazer os padrões globais de segurança para uso de componentes específicos da Lexmark. Os recursos de segurança de alguns componentes podem não ser sempre óbvios. A Lexmark não é responsável pelo uso de outros componentes de substituição.
- O produto usa raios laser, tome
  CUIDADO: O uso de controles, ajustes ou a execução de procedimentos diferentes dos especificados podem resultar em exposição perigosa a radiações.
- O produto usa um processo de impressão que aquece o meio de impressão. Devido ao aquecimento, o meio pode liberar emissões. É necessário que você entenda as instruções de operação sobre a escolha do meio de impressão, para evitar emissões perigosas.

Информация по технике безопа

- Если приобретенное Вами изделие НЕ имеет маркировки ⧈, то его НЕОБХОДИМО подключать к надежно заземленной розетке.
- Кабель питания следует подключать к легкодоступной электрической розетке, расположенной вблизи от места установки изделия.
- Операции по обслуживанию и ремонту, за исключением описанных в настоящем Руководстве, должны выполняться специально обученным персоналом.
- Данное изделие спроектировано, испытано и прошло аттестацию на соответствии жестким глобальным стандартам безопасности в расчете на использование определенных частей производства фирмы Lexmark. Влияние отдельных деталей на безопасность не всегда очевидно. Фирма Lexmark не несет ответственности за использование запасных частей, отличных от рекомендованных.
- Если в изделии используется лазер:
  ОСТОРОЖНО! Регулировка или выполнение любых других операций, кроме указанных в настоящем документе, могут привести к опасному воздействию излучения.
- При печати на приобретенном Вами изделии происходит нагрев бумаги, что может привести к выделению из нее паров. Чтобы избежать воздействия вредных веществ, изучите раздел руководства по эксплуатации, в котором обсуждается вопрос выбора бумаги.

Przepisy bezpieczeństwa

Jeżeli produkt NIE jest oznaczony symbolem ⧈, może być podłączony TYLKO do prawidłowo uziemionego gniazda elektrycznego.

Kabel zasilający musi być podłączony do łatwo dostępnego gniazda elektrycznego, znajdującego się w pobliżu urządzenia.

Wszelkie naprawy I czynności serwisowe, oprócz opisanych w instrukcji obsługi, powinny być wykonywane przez autoryzowany serwis.

Produkt został zaprojektowany z wykorzystaniem określonych podzespołów firmy Lexmark i zatwierdzony jako spełniający światowe standardy bezpieczeństwa. Pozostałe podzespoły mogą nie spełniać tych warunków. Firma Lexmark nie ponosi odpowiedzialności za skutki używania innych części zamiennych.

Produkt wykorzystuje laser:
UWAGA: Regulowanie, ustawianie i wykonywanie czynności innych niż tu określone, może narazić na ryzyko szkodliwego napromieniowania.

Proces drukowania związany jest z podgrzewaniem nośnika, co może spowodować emisję związków chemicznych. Aby zmniejszyć ryzyko emisji szkodliwych substancji, należy zapoznać się ze wskazówkami dotyczącymi wyboru nośnika, zawartymi w odpowiednim rozdziale instrukcji użytkownika.

Güvenlik Bilgisi

- Ürünüzde ⧈ simgesi YOKSA, ürün doğru biçimde topraklanmış bir elektrik prizine TAKILMALIDIR.
- Güç kablosu, ürünün yakınında ve kolay ulaşılabilir bir elektrik prizine takılmalıdır.
- İşletim yönergelerinde açıklananlar dışında servis veya onarım için yetkili servis personeline başvurun.
- Bu ürün, özel Lexmark bileşenlerinin kullanımı konusundaki genel güvenlik standartlarına uyacak biçimde tasarlanmış, denenmiş ve onaylanmıştır. Bazı parçaların güvenlik özellikleri her zaman kesin olmaz. Lexmark, başka yedek parçaların kullanımından sorumluluk taşımaz.

- Ürününüz lazer kullanmaktadır,
  DİKKAT: Burada belirtilenler dışında denetimler veya ayarlamalar veya yordam uygulamaları yaptığınız takdirde, beklenmedik radyasyon yayılımına yol açabilirsiniz.

- Ürününüz, üzerine baskı yaptığınız malzemeyi ısıtan bir yazdırma süreci kullanmaktadır ve ısı, üzerine baskı yaptığınız malzemenin emisyonu bırakmasına neden olabaliri. İşletim yönergelerinizde, zararlı emisyon olanağını engellemek üzere üzerine baskı yapılacak malzemeyi seçme konusundaki ana hatları içeren bölümü dikkatli biçimde okuyunuz.

안전 사항

- 제품에 ⧈ 심볼이 표시되어 있지 않은 경우 제품을 적절히 접지되어 있는 전기 콘센트에 연결하여야 합니다.
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- 운영 지침서에 기술되어 있지 않은 서비스나 수리는 전문 서비스 기술자에게 의뢰십시오.
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- 제품은 프린트 과정시 인쇄 매체를 가열시키기 때문에 열로 인해 매체에서 방사가 일어날 수 있습니다. 이러한 위험한 방사를 피하려면 운영 지침서 중 인쇄 매체 선택 방법을 설명한 부분을 숙지하도록 하십시오.

Notices

D

Electronic emissions notices

Federal Communications Commission (FCC) compliance information statement

The Optra E laser printer, type 312, has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class B limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 1329605 for parallel and 12A2405 for USB. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Any questions regarding this compliance information statement should be directed to:

Director of Lab Operations
Lexmark International, Inc.
740 New Circle Road NW
Lexington, KY 40550
(606) 232-3000

Industry Canada compliance statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis de conformité aux normes d'Industrie Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

A declaration of conformity with the requirements of the Directive has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.A., Boigny, France.

This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

Pour les autres pays : cette imprimante répond aux normes IEC 825 relatives aux produits laser de Classe I.

Les produits laser de Classe I sont considérés comme des produits non dangereux. Cette imprimante est équipée d'un laser de Classe IIIb (3b) (arséniure de gallium d'une puissance nominale de 5 milliwatts) émettant sur des longueurs d'onde comprises entre 700 et 810 nanomètres. L'imprimante et son système laser sont conçus pour impossible, dans des conditions normales d'utilisation, d'entretien par l'utilisateur ou de révision, l'exposition à des rayonnements laser supérieurs à des rayonnements de Classe I .

Avvertenze sui prodotti laser

Questa stampante è certificata negli Stati Uniti per essere conforme ai requisiti del DHHS 21 CFR Sottocapitolo J per i prodotti laser di classe 1 ed è certificata negli altri Paesi come prodotto laser di classe 1 conforme ai requisiti della norma CEI 825.

I prodotti laser di classe non sono considerati pericolosi. La stampante contiene al suo interno un laser di classe IIIb (3b) all'arseniuro di gallio della potenza di 5mW che opera sulla lunghezza d'onda compresa tra 700 e 810 nanometri. Il sistema laser e la stampante sono stati progettati in modo tale che le persone a contatto con la stampante, durante il normale funzionamento, le operazioni di servizio o quelle di assistenza tecnica, non ricevano radiazioni laser superiori al livello della classe 1.

Avisos sobre el láser

Se certifica que, en los EE.UU., esta impresora cumple los requisitos para los productos láser de Clase I (1) establecidos en el subcapítulo J de la norma CFR 21 del DHHS (Departamento de Sanidad y Servicios) y, en los demás países, reúne todas las condiciones expuestas en la norma IEC 825 para productos láser de Clase I (1).

Los productos láser de Clase I no se consideran peligrosos. La impresora contiene en su interior un láser de Clase IIIb (3b) de arseniuro de galio de funcionamiento nominal a 5 milivatios en una longitud de onda de 700 a 810 nanómetros. El sistema láser y la impresora están diseñados de forma que ninguna persona pueda verse afectada por ningún tipo de radiación láser superior al nivel de la Clase I durante su uso normal, el mantenimiento realizado por el usuario o cualquier otra situación de servicio técnico.

Declaração sobre laser

A impressora está certificada nos E.U.A. em conformidade com os requisitos da regulamentação DHHS 21 CFR Subcapítulo J para a Classe I (1) de produtos laser. Em outros locais, está certificada como um produto laser da Classe I, em conformidade com os requisitos da norma IEC 825.

Os produtos laser da Classe I não são considerados perigosos. Internamente, a impressora contém um produto laser da Classe IIIb (3b), designado laser de arseneto de potássio, de 5 milliwatts ,operando numa faixa de comprimento de onda entre 700 e 810 nanómetros. O sistema e a impressora laser foram concebidos de forma a nunca existir qualquer possiblidade de acesso humano a radiação laser superior a um nível de Classe I durante a operação normal, a manutenção feita pelo utilizador ou condições de assistência prescritas.

Laserinformatie

De printer voldoet aan de eisen die gesteld worden aan een laserprodukt van klasse I. Voor de Verenigde Staten zijn deze eisen vastgelegd in DHHS 21 CFR Subchapter J, voor andere landen in IEC 825.

Laserprodukten van klasse I worden niet als ongevaarlijk aangemerkt. De printer is voorzien van een laser van klasse IIIb (3b), dat wil zeggen een gallium arsenide-laser van 5 milliwatt met een golflengte van 700-810 nanometer. Het lasergedeelte en de printer zijn zo ontworpen dat bij normaal gebruik, bij onderhoud of reparatie conform de voorschriften, nooit blootstelling mogelijk is aan laserstraling boven een niveau zoals voorgeschreven is voor klasse 1.

Lasermeddelelse

Printeren er godkendt som et Klasse I-laserprodukt, i overenstemmelse med kravene i IEC 825.

Klasse I-laserprodukter betragtes ikke som farlige. Printeren indeholder internt en Klasse IIIB (3b)-laser, der nominelt er en 5 milliwatt galliumarsenid laser, som arbejder på bølgelængdeområdet 700-810 nanometer. Lasersystemet og printeren er udformet således, at mennesker aldrig udsættes for en laserstråling over Klasse I-niveau ved normal drift, brugervedligeholdelse eller obligatoriske servicebetingelser.

Huomautus laserlaitteesta

Tämä kirjoitin on Yhdysvalloissa luokan I (1) laserlaitteiden DHHS 21 CFR Subchapter J -määrityksen mukainen ja muualla luokan I laserlaitteiden IEC 825 -määrityksen mukainen.

Luokan I laserlaitteiden ei katsota olevan vaarallisia käyttäjälle. Kirjoittimessa on sisäinen luokan IIIb (3b) 5 milliwatin galliumarsenidilaser, joka toimii aaltoalueella 700 - 810 nanometriä. Laserjärjestelmä ja kirjoitin on suunniteltu siten, että käyttäjä ei altistu luokan I määrityksiä voimakkaammalle säteilylle kirjoittimen normaalin toiminnan, käyttäjän tekemien huoltotoimien tai muiden huoltotoimien yhteydessä.

LUOKAN 1 LASERLAITE

VAROITUS! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

KLASS 1 LASER APPARAT

VARNING! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

VARO! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

VARNING! Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

Laser-notis

Denna skrivare är i USA certifierad att motsvara kraven i DHHS 21 CFR, underparagraf J för laserprodukter av Klass I (1). I andra länder uppfyller skrivaren kraven för laserprodukter av Klass I enligt kraven i IEC 825.

Laserprodukter i Klass I anses ej hälsovådliga. Skrivaren har en inbyggd laser av Klass IIIb (3b) som består av en laserenhet av gallium-arsenid på 5 milliwatt som arbetar i våglängdsområdet 700-810 nanometer. Lasersystemet och skrivaren är utformade så att det aldrig finns risk för att någon person utsätts för laserstrålning över Klass I-nivå vid normal användning, underhåll som utförs av användaren eller annan föreskriven serviceåtgärd.

Laser-melding

Skriveren er godkjent i USA etter kravene i DHHS 21 CFR, underkapittel J, for klasse I (1) laserprodukter, og er i andre land godkjent som et Klasse I-laserprodukt i samsvar med kravene i IEC 825.

Klasse I-laserprodukter er ikke å betrakte som farlige. Skriveren inneholder internt en klasse IIIb (3b)-laser, som består av en gallium-arsenlaserenhet som avgir stråling i bølgelengdeområdet 700-810 nanometer. Lasersystemet og skriveren er utformet slik at personer aldri utsettes for laserstråling ut over klasse I-nivå under vanlig bruk, vedlikehold som utføres av brukeren, eller foreskrevne serviceoperasjoner.

Avís sobre el làser

Segons ha estat certificat als Estats Units, aquesta impressora compleix els requisits de DHHS 21 CFR, apartat J, pels productes làser de classe I (1), i segons ha estat certificat en altres llocs, és un producte làser de classe I que compleix els requisits d'IEC 825.

Els productes làser de classe I no es consideren perillosos. Aquesta impressora conté un làser de classe IIIb (3b) d'arseniür de gal.li, nominalment de 5 mil.liwats, i funciona a la regió de longitud d'ona de 700-810 nanòmetres. El sistema làser i la impressora han sigut concebuts de manera que mai hi hagi exposició a la radiació làser per sobre d'un nivell de classe I durant una operació normal, durant les tasques de manteniment d'usuari ni durant els serveis que satisfacin les condicions prescrites.

Japanese laser notice

レーザーに関するお知らせ

このプリンターは、米国ではＤＨＨＳ ２１ ＣＦＲサブチャプターＪのクラスＩ（１）の基準を満たしたレーザー製品であることが証明されています。また米国以外ではＩＥＣ ８２５の基準を満たしたクラスＩのレーザー製品であることが証明されています。

クラスＩのレーザー製品には危険性はないと考えられています。このプリンターはクラスⅢｂ（３ｂ）のレーザーを内蔵しています。このレーザーは、波長が７００ ～ ８１０ナノメーターの範囲で、通常５ミリワットのガリウム砒化物を放射するレーザーです。このレーザーシステムとプリンターは、通常の操作、ユーザのメンテナンス、規定された修理においては、人体がクラスＩのレベル以上のレーザー放射に晒されることのないよう設計されています。

Chinese laser notice

在操作过程中会产生 5 毫瓦含镓及砷的微量激光，其波长范围在 700~810 nm 之间。本激光系统及打印机的设计，在一般操作、使用者维护或规定内的维修情况下，不会使人体接触分类 I 以上等级的辐射。

Korean laser notice

본프린터는 1등급 레이저 제품들에 대한 DHHS 21 CFR Subchapter 3의 규정을 준수하고 있음을 미국에서 인증받았으며, 그외의 나라에서도 IEC 825 규정을 준수하는 1등급 레이저 제품으로서 인증을 받았습니다.

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Statement of Limited Warranty

Lexmark International, Inc., Lexington, KY

This warranty applies to the United States and Canada. For customers outside the U.S. and Canada, refer to the country-specific warranty information that came with your printer.

Optra E312

This Statement of Limited Warranty applies to this product if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as "Remarketer."

Warranty

Lexmark warrants that this product:

- Is manufactured from new parts, or new and serviceable used parts, which perform like new parts,
- Is free from defects in material and workmanship,
- Conforms to Lexmark's official published specifications, and
- Is in good working order.

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair without charge.

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

Warranty Service

The warranty period is 12 months and starts on the date of original purchase as shown on the purchase receipt.

To obtain warranty service you may be required to present proof of original purchase. Warranty service will be provided at a Lexmark designated location. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item. The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, or damaged beyond repair. Also, such product must be free of any legal obligation or restrictions that prevent its exchange.

Before you present this product for warranty service, remove all programs, data, and removable storage media.

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, please contact Lexmark at 1-800-LEXMARK (1-800-539-6275), or on the World Wide Web at http://www.lexmark.com.

Free remote technical support is provided for this product throughout its warranty period. Lexmark offers a variety of extended warranty programs that include an extension of technical support. For products no longer covered by a Lexmark warranty, technical support may only be available for a fee.

Extent of Warranty

We do not warrant uninterrupted or error-free operation of a product.

Warranty service does not include repair of failures caused by:

- modification or attachments
- accidents or misuse
- unsuitable physical or operating environment
- maintenance by anyone other than Lexmark or a Lexmark authorized servicer
- operation of a product beyond the limit of its duty cycle
- failure to have installed a maintenance kit as specified (if applicable)
- use of printing media outside of Lexmark specifications
- use of other than Lexmark supplies (such as toner cartridges, inkjet cartridges, and ribbons)
- use of other than Lexmark product or component

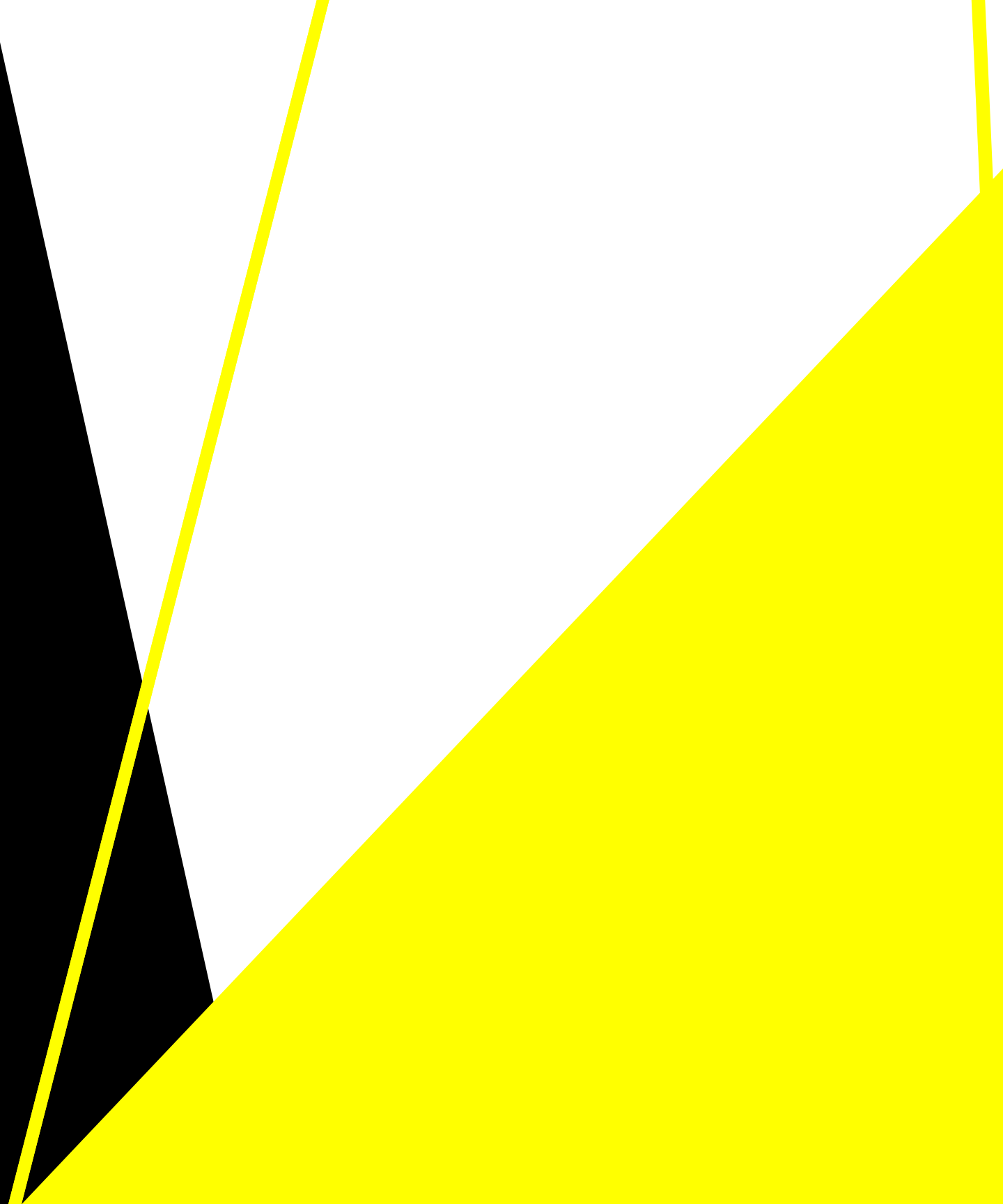
ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES, EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD.

Limitation of Liability

Your sole remedy under this Statement of Limited Warranty is set forth in this section. For any claim concerning performance or nonperformance of Lexmark or a Remarketer for this product under this Statement of Limited Warranty, you may recover actual damages up to the limit set forth in the following paragraph.

Lexmark's liability for actual damages from any cause whatsoever will be limited to the greater of 1) $5,000 or 2) the amount you paid for the product that caused the damages. This limitation of liability will not apply to claims by you for bodily injury or damage to real property or tangible personal property for which Lexmark is legally liable. In no event will Lexmark be liable for any lost profits, lost savings, incidental damage, or other economic consequential damages. This is true even if you advise Lexmark or a Remarketer of the possibility of such damages. Lexmark is not liable for any claim by you based on a third party claim.

This limitation of remedies also applies to any developer of materials supplied to Lexmark. Lexmark’s and the developer’s limitations of remedies are not cumulative. Such developer is an intended beneficiary of this limitation.



Glossary

1200 Image Quality. A print resolution setting that allows the printer to vary the size of each printed pixel, thereby producing a continuous tone effect. This setting improves the print quality of graphic fills, images and halftones.

A

A4. Paper measuring 210 x 297 mm.

A5. Paper measuring 148 x 210 mm.

application. See *software application*.

attendance message. A message that indicates a printer problem. The printer requires operator intervention before it can continue processing.

automated fax system. Lexmark's quick turnaround system for providing customers product information, technical tips and printer driver information. The automated attendant walks the customer through the steps necessary to receive information by fax.

B

B5. (1) Envelope measuring 176 x 250 mm. (2) Paper measuring 182 x 257 mm.

bidirectional communication. Two-way communication between your printer and a computer, using Network Printing Alliance Protocol (NPAP 1.0 standard).

bin. See *output bin*.

bitmapped font. Predefined pattern of bits that represent a typeface at a specific size, style and resolution.

Busy. A printer state in which the printer is processing data or printing pages.

C

C5. Envelope measuring 162 x 229 mm.

Centronics parallel interface. A standard for connecting printers and other peripheral devices to a computer. It defines the plug, socket and electrical signals that are used for controlling the transmission of data.

configuration. (1) The arrangement of a computer system, printer or network. (2) The devices and programs that make up a system, subsystem or network.

D

data stream. Print data and printer control information flowing from the host system (computer) to the printer without interruption.

default. An attribute, value or setting that is assumed when none is explicitly specified.

defrag. To free up unused space. To defrag flash memory, the unused space or gaps are moved to the end of the memory, creating additional space.

DL. Envelope measuring 110 x 220 mm.

download. To transfer information, such as fonts, from a diskette or other device to your computer or printer for temporary or permanent storage.

dpi. Dots per inch. See *resolution*.

driver. See *printer driver*.

E

emulation. Imitation of a printer processing language; for example, PCL 5 emulation imitates the printer language used with the Hewlett-Packard LaserJet printer.

executive paper. Paper measuring 7.25 x 10.5 in.

F

factory default. Printer setting defined when the printer is manufactured.

Fastbytes protocol. A parallel printer protocol that enables the printer to receive information at faster transmission rates than normal.

flash memory. Optional memory you can install in the printer that provides non-volatile storage for downloaded fonts, symbol sets or macros.

font. A family or set of characters that have common visual characteristics, such as size, weight and style.

fuser. The part of the printer that uses heat and pressure to make toner adhere to the paper.

G

g/m². Grams per square meter. Metric measurement for paper weight.

H

hex trace. A way to isolate printing problems by showing you, in a hexadecimal and character representation of a print job, what information your printer is receiving.

I

indicator lights. The 6 lights on the operator panel that provide status, attendance and service information.

interface. The connection between the computer and the printer.

L

landscape orientation. Printed page orientation in which the print runs along the long edge of the paper.

leading edge. The edge of the printer page that exits the printer first.

legal. Paper measuring 8.5 x 14 in.

letter. Paper measuring 8.5 x 11 in.

M

macro. A collection of commands grouped together and temporarily or permanently stored in printer memory.

manual feed. Feeding one sheet of media (paper, envelope, transparency) into the printer at a time.

MarkVision. A printer utility that works with the printer's bidirectional communication capability to provide continuous printer status and let you configure multiple printers from a single setup file.

MB. Megabyte; 1,048,576 bytes.

media. Any materials you print on, such as paper, envelopes, labels and transparencies.

menu. The choices for displaying, altering or testing printer features and settings.

O

operating system. The basic software which provides the low-level functions needed to operate your computer, such as booting up.

Operation ReSource. Lexmark's process established to recycle toner cartridges and print units.

operator panel. The 6 lights and 1 button on the printer that are used to change printer settings and display printer status.

orientation. A page description defining whether the printed text runs along the short edge (portrait) or the long edge (landscape) of the paper.

output bin. Any paper exit area. The default is the standard output bin, on top of the printer, which allows the paper to exit face down and collated.

overlay. Background text or graphics intended to appear the same in each file where the overlay is applied.

P

pages per minute (ppm). The number of typical pages of text that can be printed in one minute.

parallel interface. A bidirectional interface for exchanging data between the computer and the printer.

portrait orientation. Printed page orientation in which the print runs across the short edge of the paper.

print cartridge. The replaceable unit inside the printer that contains the toner supply.

printer driver. A program that translates the language of a software application to the language of the printer so the two can communicate data.

printer language. A set of defined commands (such as PCL or PostScript) to which the printer responds.

protocol. A set of rules governing the communication and the transfer of data between two or more devices.

R

Ready. State of the printer in which it can receive, process and print data.

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